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SOURCE: Amdt. 172-29, 41 FR 15996, Apr. 15, 1976, unless otherwise noted.

**Subpart A—General****§ 172.1 Purpose and scope.**

This part lists and classifies those materials which the Department has designated as hazardous materials for purposes of transportation and prescribes the requirements for shipping papers, package marking, labeling, and transport vehicle placarding applicable to the shipment and transportation of those hazardous materials.

[Amdt. 172-29, 41 FR 15997, Apr. 15, 1976, as amended by 66 FR 45379, Aug. 28, 2001]

**§ 172.3 Applicability.**

(a) This part applies to—

- (1) Each person who offers a hazardous material for transportation, and
- (2) Each carrier by air, highway, rail, or water who transports a hazardous material.

(b) When a person, other than one of those provided for in paragraph (a) of this section, performs a packaging labeling or marking function required by

this part, that person shall perform the function in accordance with this part.

[Amdt. 172-29, 41 FR 15996, Apr. 15, 1976, as amended by Amdt. 172-32, 41 FR 38179, Sept. 9, 1976]

**Subpart B—Table of Hazardous Materials and Special Provisions****§ 172.101 Purpose and use of hazardous materials table.**

(a) The Hazardous Materials Table (Table) in this section designates the materials listed therein as hazardous materials for the purpose of transportation of those materials. For each listed material, the Table identifies the hazard class or specifies that the material is forbidden in transportation, and gives the proper shipping name or directs the user to the preferred proper shipping name. In addition, the Table specifies or references requirements in this subchapter pertaining to labeling, packaging, quantity limits aboard aircraft and stowage of hazardous materials aboard vessels.

(b) *Column 1: Symbols.* Column 1 of the Table contains six symbols (“+”, “A”, “D”, “G”, “I” and “W”) as follows:

(1) The plus (+) sign fixes the proper shipping name, hazard class and packing group for that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class definition. When the plus sign is assigned to a proper shipping name in Column (1) of the § 172.101 Table, it means that the material is known to pose a risk to humans. When a plus sign is assigned to mixtures or solutions containing a material where the hazard to humans is significantly different from that of the pure material or where no hazard to humans is posed, the material may be described using an alternative shipping name that represents the hazards posed by the material. An appropriate alternate proper shipping name and hazard class may be authorized by the Associate Administrator.

(2) The letter “A” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by an

“A” may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

(3) The letter “D” identifies proper shipping names which are appropriate for describing materials for domestic transportation but may be inappropriate for international transportation under the provisions of international regulations (e.g., IMO, ICAO). An alternate proper shipping name may be selected when either domestic or international transportation is involved.

(4) The letter “G” identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description. (See §172.203(k).)

(5) The letter “I” identifies proper shipping names which are appropriate for describing materials in international transportation. An alternate proper shipping name may be selected when only domestic transportation is involved.

(6) The letter “W” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by vessel, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by a “W” may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

(c) *Column 2: Hazardous materials descriptions and proper shipping names.* Column 2 lists the hazardous materials descriptions and proper shipping names of materials designated as hazardous materials. Modification of a proper shipping name may otherwise be required or authorized by this section. Proper shipping names are limited to those shown in Roman type (not italics).

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters. Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the IMDG Code. For example “aluminum” may be spelled “aluminium” and “sulphur” may be spelled “sulfur”. However, the word “flammable” may not

be used in place of the word “flammable”.

(2) Punctuation marks and words in italics are not part of the proper shipping name, but may be used in addition to the proper shipping name. The word “or” in italics indicates that terms in the sequence may be used as the proper shipping name, as appropriate.

(3) The word “poison” or “poisonous” may be used interchangeably with the word “toxic” when only domestic transportation is involved. The abbreviation “n.o.i.” or “n.o.i.b.n.” may be used interchangeably with “n.o.s.”.

(4) Except for hazardous wastes, when qualifying words are used as part of the proper shipping name, their sequence in the package markings and shipping paper description is optional. However, the entry in the Table reflects the preferred sequence.

(5) When one entry references another entry by use of the word “see”, if both names are in Roman type, either name may be used as the proper shipping name (e.g., Ethyl alcohol, *see* Ethanol).

(6) When a proper shipping name includes a concentration range as part of the shipping description, the actual concentration, if it is within the range stated, may be used in place of the concentration range. For example, an aqueous solution of hydrogen peroxide containing 30 percent peroxide may be described as “Hydrogen peroxide, aqueous solution *with not less than 20 percent but not more than 40 percent hydrogen peroxide*” or “Hydrogen peroxide, aqueous solution *with 30 percent hydrogen peroxide*”.

(7) Use of the prefix “mono” is optional in any shipping name, when appropriate. Thus, Iodine monochloride may be used interchangeably with Iodine chloride. In “Glycerol alpha-monochlorohydrin” the term “mono” is considered a prefix to the term “chlorohydrin” and may be deleted.

(8) Use of the word “liquid” or “solid”. The word “liquid” or “solid” may be added to a proper shipping name when a hazardous material specifically listed by name may, due to differing physical states, be a liquid or solid. When the packaging specified in Column 8 is inappropriate for the physical state of the material, the table

provided in paragraph (i)(4) of this section should be used to determine the appropriate packaging section.

(9) *Hazardous wastes.* If the word “waste” is not included in the hazardous material description in Column 2 of the Table, the proper shipping name for a hazardous waste (as defined in §171.8 of this subchapter), shall include the word “Waste” preceding the proper shipping name of the material. For example: Waste acetone.

(10) *Mixtures and solutions.* (i) A mixture or solution not identified specifically by name, comprised of a hazardous material identified in the Table by technical name and non-hazardous material, shall be described using the proper shipping name of the hazardous material and the qualifying word “mixture” or “solution”, as appropriate, unless—

(A) Except as provided in §172.101(i)(4) the packaging specified in Column 8 is inappropriate to the physical state of the material;

(B) The shipping description indicates that the proper shipping name applies only to the pure or technically pure hazardous material;

(C) The hazard class, packing group, or subsidiary hazard of the mixture or solution is different from that specified for the entry;

(D) There is a significant change in the measures to be taken in emergencies;

(E) The material is identified by special provision in Column 7 of the §172.101 Table as a material poisonous by inhalation; however, it no longer meets the definition of poisonous by inhalation or it falls within a different hazard zone than that specified in the special provision; or

(F) The material can be appropriately described by a shipping name that describes its intended application, such as “Coating solution”, “Extracts, flavoring” or “Compound, cleaning liquid”.

(ii) If one or more of the conditions specified in paragraph (c)(10)(i) of this section is satisfied, then a proper shipping name shall be selected as prescribed in paragraph (c)(12)(ii) of this section.

(iii) A mixture or solution not identified in the Table specifically by name,

comprised of two or more hazardous materials in the same hazard class, shall be described using an appropriate shipping description (e.g., “Flammable liquid, n.o.s.”). The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as “Alcohol, n.o.s.” rather than “Flammable liquid, n.o.s.”. Some mixtures may be more appropriately described according to their application, such as “Coating solution” or “Extracts, flavoring liquid” rather than by an n.o.s. entry. Under the provisions of subparts C and D of this part, the technical names of at least two components most predominately contributing to the hazards of the mixture or solution may be required in association with the proper shipping name.

(11) Except for a material subject to or prohibited by §173.21, 173.54, 173.56(d), 173.56(e), 173.224(c) or 173.225(b) of this subchapter, a material that is considered to be a hazardous waste or a sample of a material for which the hazard class is uncertain and must be determined by testing may be assigned a tentative proper shipping name, hazard class, identification number and packing group, if applicable, based on the shipper’s tentative determination according to:

(i) Defining criteria in this subchapter;

(ii) The hazard precedence prescribed in §173.2a of this subchapter;

(iii) The shipper’s knowledge of the material;

(iv) In addition to paragraphs (c)(11)(i) through (iii) of this section, for a sample of a material other than a waste, the following must be met:

(A) Except when the word “Sample” already appears in the proper shipping name, the word “Sample” must appear as part of the proper shipping name or in association with the basic description on the shipping paper.

(B) When the proper shipping description for a sample is assigned a “G” in Column (1) of the §172.101 Table, and the primary constituent(s) for which the tentative classification is based are not known, the provisions requiring a technical name for the constituent(s) do not apply; and

(C) A sample must be transported in a combination packaging that conforms to the requirements of this subchapter that are applicable to the tentative packing group assigned, and may not exceed a net mass of 2.5 kg (5.5 pounds) per package.

NOTE TO PARAGRAPH (c)(11): For the transportation of samples of self-reactive materials, organic peroxides, explosives or lighters, see §§ 173.224(c)(3), 173.225(c)(2), 173.56(d) or 173.308(b)(2) of this subchapter, respectively.

(12) Except when the proper shipping name in the Table is preceded by a plus (+)—

(i) If it is specifically determined that a material meets the definition of a hazard class, packing group or hazard zone, other than the class, packing group or hazard zone shown in association with the proper shipping name, or does not meet the defining criteria for a subsidiary hazard shown in Column 6 of the Table, the material shall be described by an appropriate proper shipping name listed in association with the correct hazard class, packing group, hazard zone, or subsidiary hazard for the material.

(ii) *Generic or n.o.s. descriptions.* If an appropriate technical name is not shown in the Table, selection of a proper shipping name shall be made from the generic or n.o.s. descriptions corresponding to the specific hazard class, packing group, hazard zone, or subsidiary hazard, if any, for the material. The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as “Alcohol, n.o.s.” rather than “Flammable liquid, n.o.s.”. Some mixtures may be more appropriately described according to their application, such as “Coating solution” or “Extracts, flavoring, liquid”, rather than by an n.o.s. entry, such as “Flammable liquid, n.o.s.” It should be noted, however, that an n.o.s. description as a proper shipping name may not provide sufficient information for shipping papers and package markings. Under the provisions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in

association with the proper shipping name.

(iii) *Multiple hazard materials.* If a material meets the definition of more than one hazard class, and is not identified in the Table specifically by name (e.g., acetyl chloride), the hazard class of the material shall be determined by using the precedence specified in § 173.2a of this subchapter, and an appropriate shipping description (e.g., “Flammable liquid, corrosive n.o.s.”) shall be selected as described in paragraph (c)(12)(ii) of this section.

(iv) If it is specifically determined that a material is not a forbidden material and does not meet the definition of any hazard class, the material is not a hazardous material.

(13) *Self-reactive materials and organic peroxides.* A generic proper shipping name for a self-reactive material or an organic peroxide, as listed in Column 2 of the Table, must be selected based on the material’s technical name and concentration, in accordance with the provisions of §§ 173.224 or 173.225 of this subchapter, respectively.

(14) A proper shipping name that describes all isomers of a material may be used to identify any isomer of that material if the isomer meets criteria for the same hazard class or division, subsidiary risk(s) and packing group, unless the isomer is specifically identified in the Table.

(15) Unless a hydrate is specifically listed in the Table, a proper shipping name for the equivalent anhydrous substance may be used, if the hydrate meets the same hazard class or division, subsidiary risk(s) and packing group.

(16) Unless it is already included in the proper shipping name in the § 172.101 Table, the qualifying words “liquid” or “solid” may be added in association with the proper shipping name when a hazardous material specifically listed by name in the § 172.101 Table may, due to the differing physical states of the various isomers of the material, be either a liquid or a solid (for example “Dinitrotoluenes, liquid” and “Dinitrotoluenes, solid”). Use of the words “liquid” or “solid” is subject to the limitations specified for the use of the words “mixture” or “solution” in paragraph (c)(10) of this section. The

qualifying word “molten” may be added in association with the proper shipping name when a hazardous material, which is a solid in accordance with the definition in §171.8 of this subchapter, is offered for transportation in the molten state (for example, “Alkylphenols, solid, n.o.s., molten”).

(d) *Column 3: Hazard class or Division.* Column 3 contains a designation of the hazard class or division corresponding to each proper shipping name, or the word “Forbidden”.

(1) A material for which the entry in this column is “Forbidden” may not be offered for transportation or transported. This prohibition does not apply if the material is diluted, stabilized or incorporated in a device and it is classed in accordance with the definitions of hazardous materials contained in part 173 of this subchapter.

(2) When a reevaluation of test data or new data indicates a need to modify the “Forbidden” designation or the hazard class or packing group specified for a material specifically identified in the Table, this data should be submitted to the Associate Administrator.

(3) A basic description of each hazard class and the section reference for class definitions appear in §173.2 of this subchapter.

(4) Each reference to a Class 3 material is modified to read “Combustible liquid” when that material is reclassified in accordance with §173.150(e) or (f) of this subchapter or has a flash point above 60 °C (140 °F) but below 93 °C (200 °F).

(e) *Column 4: Identification number.* Column 4 lists the identification number assigned to each proper shipping name. Those preceded by the letters “UN” are associated with proper shipping names considered appropriate for international transportation as well as domestic transportation. Those preceded by the letters “NA” are associated with proper shipping names not recognized for international transportation, except to and from Canada. Identification numbers in the “NA9000” series are associated with proper shipping names not appropriately covered by international hazardous materials (dangerous goods) transportation standards, or not appropriately addressed by international transpor-

tation standards for emergency response information purposes, except for transportation between the United States and Canada.

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. Packing Groups I, II and III indicate the degree of danger presented by the material is either great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to read “III” on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to requirements of this subchapter.

(g) *Column 6: Labels.* Column 6 specifies codes which represent the hazard warning labels required for a package filled with a material conforming to the associated hazard class and proper shipping name, unless the package is otherwise excepted from labeling by a provision in subpart E of this part, or part 173 of this subchapter. The first code is indicative of the primary hazard of the material. Additional label codes are indicative of subsidiary hazards. Provisions in §172.402 may require that a label other than that specified in Column 6 be affixed to the package in addition to that specified in Column 6. No label is required for a material classed as a combustible liquid or for a Class 3 material that is reclassified as a combustible liquid. For “Empty” label

requirements, see §173.428 of this subchapter. The codes contained in Column 6 are defined according to the following table:

LABEL SUBSTITUTION TABLE

| Label code   | Label name                 |
|--|----------------------------|
| 1  | Explosive                  |
| 1.1 <sup>1</sup>   | Explosive 1.1 <sup>1</sup> |
| 1.2 <sup>1</sup>   | Explosive 1.2 <sup>1</sup> |
| 1.3 <sup>1</sup>   | Explosive 1.3 <sup>1</sup> |
| 1.4 <sup>1</sup>   | Explosive 1.4 <sup>1</sup> |
| 1.5 <sup>1</sup>   | Explosive 1.5 <sup>1</sup> |
| 1.6 <sup>1</sup>   | Explosive 1.6 <sup>1</sup> |
| 2.1  | Flammable Gas              |
| 2.2  | Non-Flammable Gas          |
| 2.3  | Poison Gas                 |
| 3  | Flammable Liquid           |
| 4.1  | Flammable Solid            |
| 4.2  | Spontaneously Combustible  |
| 4.3  | Dangerous When Wet         |
| 5.1  | Oxidizer                   |
| 5.2  | Organic Peroxide           |
| 6.1 (inhalation hazard, Zone A or B).                          | Poison Inhalation Hazard   |
| 6.1 (other than inhalation hazard, Zone A or B) <sup>2</sup> . | Poison                     |
| 6.2  | Infectious substance       |
| 7  | Radioactive                |
| 8  | Corrosive                  |
| 9  | Class 9                    |

<sup>1</sup>Refers to the appropriate compatibility group letter.  
<sup>2</sup>The packing group for a material is indicated in column 5 of the table.

(h) *Column 7: Special provisions.* Column 7 specifies codes for special provisions applicable to hazardous materials. When Column 7 refers to a special provision for a hazardous material, the meaning and requirements of that special provision are as set forth in §172.102 of this subpart.

(i) *Column 8: Packaging authorizations.* Columns 8A, 8B and 8C specify the applicable sections for exceptions, non-bulk packaging requirements and bulk packaging requirements, respectively, in part 173 of this subchapter. Columns 8A, 8B and 8C are completed in a manner which indicates that “§173.” precedes the designated numerical entry. For example, the entry “202” in Column 8B associated with the proper shipping name “Gasoline” indicates that for this material conformance to non-bulk packaging requirements prescribed in §173.202 of this subchapter is required. When packaging requirements are specified, they are in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable requirements in subparts A and B of part 173 of this subchapter.

(1) Exceptions. Column 8A contains exceptions from some of the requirements of this subchapter. The referenced exceptions are in addition to those specified in subpart A of part 173 and elsewhere in this subchapter. A “None” in this column means no packaging exceptions are authorized, except as may be provided by special provisions in Column 7.

(2) Non-bulk packaging. Column 8B references the section in part 173 of this subchapter which prescribes packaging requirements for non-bulk packagings. A “None” in this column means non-bulk packagings are not authorized, except as may be provided by special provisions in Column 7. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to include “§173.203” or “§173.213”, as appropriate for liquids and solids, respectively, on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter.

(3) *Bulk packaging.* Column (8C) specifies the section in part 173 of this subchapter that prescribes packaging requirements for bulk packagings, subject to the limitations, requirements, and additional authorizations of Columns (7) and (8B). A “None” in Column (8C) means bulk packagings are not authorized, except as may be provided by special provisions in Column (7) and in packaging authorizations Column (8B). Additional authorizations and limitations for use of UN portable tanks are set forth in Column 7. For each reference in this column to a material that is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W” and that is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter:

(4) For a hazardous material which is specifically named in the Table and whose packaging sections specify packagings not applicable to the form of the material (e.g., packaging specified is

for solid material and the material is being offered for transportation in a liquid form) the following table should be used to determine the appropriate packaging section:

| Packaging section reference for solid materials | Corresponding packaging section for liquid materials |
|---|--|
| § 173.187 .....                                 | § 173.181  |
| § 173.211 .....                                 | § 173.201  |
| § 173.212 .....                                 | § 173.202  |
| § 173.213 .....                                 | § 173.203  |
| § 173.240 .....                                 | § 173.241  |
| § 173.242 .....                                 | § 173.243  |

(5) *Cylinders.* For cylinders, both non-bulk and bulk packaging authorizations are set forth in Column (8B). Notwithstanding a designation of "None" in Column (8C), a bulk cylinder may be used when specified through the section reference in Column (8B).

(j) *Column 9: Quantity limitations.* Columns 9A and 9B specify the maximum quantities that may be offered for transportation in one package by passenger-carrying aircraft or passenger-carrying rail car (Column 9A) or by cargo aircraft only (Column 9B), subject to the following:

- (1) "Forbidden" means the material may not be offered for transportation or transported in the applicable mode of transport.
- (2) The quantity limitation is "net" except where otherwise specified, such as for "Consumer commodity" which specifies "30 kg gross."
- (3) When articles or devices are specifically listed by name, the net quantity limitation applies to the entire article or device (less packaging and packaging materials) rather than only to its hazardous components.
- (4) A package offered or intended for transportation by aircraft and which is filled with a material forbidden on passenger-carrying aircraft but permitted on cargo aircraft only, or which exceeds the maximum net quantity authorized on passenger-carrying aircraft, shall be labelled with the CARGO AIRCRAFT ONLY label specified in §172.448 of this part.
- (5) The total net quantity of hazardous material for an outer non-bulk packaging that contains more than one hazardous material may not exceed the lowest permitted maximum net quantity per package as shown in Column

9A or 9B, as appropriate. If one material is a liquid and one is a solid, the maximum net quantity must be calculated in kilograms. See §173.24a(c)(1)(iv).

(k) *Column 10: Vessel stowage requirements.* Column 10A [Vessel stowage] specifies the authorized stowage locations on board cargo and passenger vessels. Column 10B [Other provisions] specifies codes for stowage requirements for specific hazardous materials. The meaning of each code in Column 10B is set forth in §176.84 of this subchapter. Section 176.63 of this subchapter sets forth the physical requirements for each of the authorized locations listed in Column 10A. (For bulk transportation by vessel, see 46 CFR parts 30 to 40, 70, 98, 148, 151, 153 and 154.) The authorized stowage locations specified in Column 10A are defined as follows:

- (1) Stowage category "A" means the material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
- (2) Stowage category "B" means—
  - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and
  - (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
- (3) Stowage category "C" means the material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.
- (4) Stowage category "D" means the material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.
- (5) Stowage category "E" means the material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than

the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.

(6) Stowage category “01” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(7) Stowage category “02” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a passenger vessel.

(8) Stowage category “03” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” in closed cargo transport units on a passenger vessel.

(9) Stowage category “04” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(10) Stowage category “05” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(11) Stowage category “06” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a passenger vessel.

(12) Stowage category “07” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(13) Stowage category “08” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(14) Stowage category “09” means the material may be stowed “on deck only” in closed cargo transport units or “under deck” in closed cargo trans-

port units on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(15) Stowage category “10” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(16) Stowage category “11” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in magazine stowage type “c” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(17) Stowage category “12” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in magazine stowage type “c” on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(18) Stowage category “13” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in magazine stowage type “A” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(19) Stowage category “14” means the material may be stowed “on deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(20) Stowage category “15” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(1) *Changes to the Table.* (1) Unless specifically stated otherwise in a rule document published in the FEDERAL REGISTER amending the Table—

(i) Such a change does not apply to the shipment of any package filled prior to the effective date of the amendment; and

(ii) Stocks of preprinted shipping papers and package markings may be continued in use, in the manner previously authorized, until depleted or for a one-year period, subsequent to the effective date of the amendment, whichever is less.



**Pipeline and Hazardous Materials Safety Admin., DOT**

**§ 172.101**

(2) Except as otherwise provided in this section, any alteration of a shipping description or associated entry which is listed in the §172.101 Table must receive prior written approval from the Associate Administrator.

(3) The proper shipping name of a hazardous material changed in the May

6, 1997 final rule, in effect on October 1, 1997, only by the addition or omission of the word “compressed,” “inhibited,” “liquefied” or “solution” may continue to be used to comply with package marking requirements, until January 1, 2003.

§ 172.101 HAZARDOUS MATERIALS TABLE

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| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)  | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7)                | (8)                   |                   |              | (9)   |                               | (10)                |                |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|-----------------------|-------------------|--------------|---|-------------------------------|---------------------|----------------|
|                     |   |                                       |                                       |               |                        |  | Packaging (§ 173.***) |                   |              | Quantity limitations (see §§ 173.27 and 175.75) |                               | Vessel stow- age    |                |
|                     |   |                                       |                                       |               |                        |  | Excep- tions<br>(8A)  | Non- bulk<br>(8B) | Bulk<br>(8C) | Passenger aircraft/rail<br>(9A)                 | Cargo air- craft only<br>(9B) | Loca- tion<br>(10A) | Other<br>(10B) |
|                     | <i>Accelerene, see p-Nitrosodimethylaniline.</i>  |                                       |                                       |               |                        |  |                       |                   |              |   |                               |                     |                |
|                     | <i>Accumulators, electric, see Batteries, wet etc.</i>  |                                       |                                       |               |                        |  |                       |                   |              |   |                               |                     |                |
|                     | <i>Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas), see Articles pressurized, pneumatic or hydraulic (containing non-flammable gas).</i> |                                       |                                       |               |                        |  |                       |                   |              |   |                               |                     |                |
|                     | Acetal  | 3                                     | UN1088                                | II            | 3                      | IB2, T4, TP1   | 150                   | 202               | 242          | 5 L   | 60 L                          | E                   |                |
|                     | Acetaldehyde  | 3                                     | UN1089                                | I             | 3                      | A3, B16, T11, TP2, TP7                                     | None                  | 201               | 243          | Forbidden                                       | 30 L                          | E                   |                |
| A                   | Acetaldehyde ammonia  | 9                                     | UN1841                                | III           | 9                      | IB8, IP3, IP7, T1, TP33                                    | 155                   | 204               | 240          | 200 kg  | 200 kg                        | A                   | 34             |
|                     | Acetaldehyde oxime  | 3                                     | UN2332                                | III           | 3                      | B1, IB3, T4, TP1   | 150                   | 203               | 242          | 60 L  | 220 L                         | A                   |                |
|                     | Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass.  | 8                                     | UN2789                                | II            | 8, 3                   | A3, A6, A7, A10, B2, IB2, T7, TP2                          | 154                   | 202               | 243          | 1 L   | 30 L                          | A                   |                |
|                     | Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.  | 8                                     | UN2790                                | II            | 8                      | A3, A6, A7, A10, B2, IB2, T7, TP2                          | 154                   | 202               | 242          | 1 L   | 30 L                          | A                   |                |
|                     | Acetic acid solution, with more than 10 percent and less than 50 percent acid, by mass.   | 8                                     | UN2790                                | III           | 8                      | IB3, T4, TP1   | 154                   | 203               | 242          | 5 L   | 60 L                          | A                   |                |
|                     | Acetic anhydride  | 8                                     | UN1715                                | II            | 8, 3                   | A3, A6, A7, A10, B2, IB2, T7, TP2                          | 154                   | 202               | 243          | 1 L   | 30 L                          | A                   | 40             |
|                     | Acetone   | 3                                     | UN1090                                | II            | 3                      | IB2, T4, TP1   | 150                   | 202               | 242          | 5 L   | 60 L                          | B                   |                |
|                     | Acetone cyanohydrin, stabilized   | 6.1                                   | UN1541                                | I             | 6.1                    | 2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45 | None                  | 227               | 244          | Forbidden                                       | Forbidden                     | D                   | 25, 40, 52, 53 |
|                     | Acetone oils  | 3                                     | UN1091                                | II            | 3                      | IB2, T4, TP1, TP8  | 150                   | 202               | 242          | 5 L   | 60 L                          | B                   |                |
|                     | Acetonitrile  | 3                                     | UN1648                                | II            | 3                      | IB2, T7, TP2   | 150                   | 202               | 242          | 5 L   | 60 L                          | B                   | 40             |
|                     | <i>Acetyl acetone peroxide with more than 9 percent by mass active oxygen.</i>  | Forbidden                             |                                       |               |                        |  |                       |                   |              |   |                               |                     |                |

|   |           |        |     |        |   |      |     |      |           |           |   |            |  |
|---|-----------|--------|-----|--------|---|------|-----|------|-----------|-----------|---|------------|--|
| <i>Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution.</i>                              | Forbidden |        |     |        |   |      |     |      |           |           |   |            |  |
| Acetyl bromide .....  | 8         | UN1716 | II  | 8      | B2, IB2, T8, TP2, TP12  | 154  | 202 | 242  | 1 L       | 30 L      | C | 40         |  |
| Acetyl chloride .....   | 3         | UN1717 | II  | 3, 8   | A3, A6, A7, IB1, N34, T8, TP2, TP12                                   | 150  | 202 | 243  | 1 L       | 5 L       | B | 40         |  |
| <i>Acetyl cyclohexanesulfonyl peroxide, with more than 82 percent wetted with less than 12 percent water.</i> | Forbidden |        |     |        |   |      |     |      |           |           |   |            |  |
| Acetyl iodide .....   | 8         | UN1898 | II  | 8      | B2, IB2, T7, TP2, TP13  | 154  | 202 | 242  | 1 L       | 30 L      | C | 40         |  |
| Acetyl methyl carbinol .....  | 3         | UN2621 | III | 3      | B1, IB3, T2, TP1  | 150  | 203 | 242  | 60 L      | 220 L     | A |            |  |
| <i>Acetyl peroxide, solid, or with more than 25 percent in solution.</i>                                      | Forbidden |        |     |        |   |      |     |      |           |           |   |            |  |
| Acetylene, dissolved .....  | 2.1       | UN1001 |     | 2.1    | N86, N88  | None | 303 | None | Forbidden | 15 kg     | D | 25, 40, 57 |  |
| <i>Acetylene (liquefied)</i> .....  | Forbidden |        |     |        |   |      |     |      |           |           |   |            |  |
| <i>Acetylene silver nitrate</i> .....   | Forbidden |        |     |        |   |      |     |      |           |           |   |            |  |
| <i>Acetylene, solvent free</i> .....  | Forbidden |        |     |        |   |      |     |      |           |           |   |            |  |
| <i>Acetylene tetrabromide, see Tetrabromoethane.</i>  |           |        |     |        |   |      |     |      |           |           |   |            |  |
| <i>Acid butyl phosphate, see Butyl acid phosphate.</i>  |           |        |     |        |   |      |     |      |           |           |   |            |  |
| <i>Acid, sludge, see Sludge acid</i> ...  |           |        |     |        |   |      |     |      |           |           |   |            |  |
| Acridine .....  | 6.1       | UN2713 | III | 6.1    | IB8, IP3, T1, TP33  | 153  | 213 | 240  | 100 kg    | 200 kg    | A |            |  |
| Acrolein dimer, stabilized .....  | 3         | UN2607 | III | 3      | B1, IB3, T2, TP1  | 150  | 203 | 242  | 60 L      | 220 L     | A | 40         |  |
| Acrolein, stabilized .....  | 6.1       | UN1092 | I   | 6.1, 3 | 1, B9, B14, B30, B42, B72, B77, T22, TP2, TP7, TP13, TP38, TP44, TP33 | None | 226 | 244  | Forbidden | Forbidden | D | 40         |  |
| Acrylamide, solid .....   | 6.1       | UN2074 | III | 6.1    | IB8, IP3, T1, TP33  | 153  | 213 | 240  | 100 kg    | 200 kg    | A | 12         |  |
| Acrylamide solution .....   | 6.1       | UN3426 | III | 6.1    | IB3, T4, TP1  | 153  | 203 | 241  | 60 L      | 220 L     | A | 12         |  |
| Acrylic acid, stabilized .....  | 8         | UN2218 | II  | 8, 3   | B2, IB2, T7, TP2  | 154  | 202 | 243  | 1 L       | 30 L      | C | 25, 40     |  |
| Acrylonitrile, stabilized .....   | 3         | UN1093 | I   | 3, 6.1 | B9, T14, TP2, TP13  | None | 201 | 243  | Forbidden | 30 L      | E | 40         |  |
| <i>Actuating cartridge, explosive, see Cartridges, power device.</i>  |           |        |     |        |   |      |     |      |           |           |   |            |  |
| <i>Adhesives, containing a flammable liquid.</i>  | 3         | UN1133 | I   | 3      | B42, T11, TP1, TP8, TP27  | 150  | 201 | 243  | 1 L       | 30 L      | B |            |  |
|   |           |        | II  | 3      | 149, B52, IB2, T4, TP1, TP8   | 150  | 173 | 242  | 5 L       | 60 L      | B |            |  |
|   |           |        | III | 3      | B1, B52, IB3, T2, TP1   | 150  | 173 | 242  | 60 L      | 220 L     | A |            |  |

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| Sym-bols  | Hazardous materials descrip-tions and proper shipping names                                   | Hazard class or Di- vision | Identifica- tion Num- bers | PG         | Label Codes | Special provi- sions (§ 172.102) | (8)                   |            |            | (9)   |                       | (10)             |              |
|---|---|----------------------------|----------------------------|------------|-------------|----------------------------------|-----------------------|------------|------------|---|-----------------------|------------------|--------------|
|   |   |                            |                            |            |             |                                  | Packaging (§ 173.***) |            |            | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |              |
|   |   |                            |                            |            |             |                                  | Excep- tions          | Non- bulk  | Bulk       | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other        |
| (1)   | (2)   | (3)                        | (4)                        | (5)        | (6)         | (7)                              | (8A)                  | (8B)       | (8C)       | (9A)  | (9B)                  | (10A)            | (10B)        |
| I   | Adiponitrile .....  | 6.1                        | UN2205                     | III        | 6.1 .....   | IB3, T3, TP1                     | 153 .....             | 203 .....  | 241 .....  | 60 L  | 220 L                 | A                | .....        |
|   | Aerosols, <i>corrosive, Packing Group II or III, (each not exceeding 1 L capacity).</i>       | 2.2                        | UN1950                     | .....      | 2.2, 8      | A34                              | 306 .....             | None ..... | None ..... | 75 kg   | 150 kg                | A                | 48, 87, 126  |
|   | Aerosols, <i>flammable, (each not exceeding 1 L capacity).</i>                                | 2.1                        | UN1950                     | .....      | 2.1 .....   | N82                              | 306 .....             | None ..... | None ..... | 75 kg   | 150 kg                | A                | 48, 87, 126  |
|   | Aerosols, <i>flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity).</i> | 2.1                        | UN1950                     | .....      | 2.1 .....   | N82                              | 306 .....             | 304 .....  | None ..... | Forbidden                                       | 150 kg                | A                | 48, 87, 126  |
|   | Aerosols, <i>non-flammable, (each not exceeding 1 L capacity).</i>                            | 2.2                        | UN1950                     | .....      | 2.2 .....   | .....                            | 306 .....             | None ..... | None ..... | 75 kg   | 150 kg                | A                | 48, 87, 126. |
|   | Aerosols, <i>poison, (each not exceeding 1 L capacity).</i>                                   | 2.2                        | UN1950                     | .....      | 2.2, 6.1.   | .....                            | 306 .....             | None ..... | None ..... | Forbidden                                       | Forbidden             | A                | 48, 87, 126  |
|   | Air bag inflators, or Air bag modules, or Seat-belt pretensioners..                           | 1.4G                       | UN0503                     | II         | 1.4G ..     | 161                              | None .....            | 62 .....   | None ..... | Forbidden                                       | 75 kg                 | 02               | .....        |
|   | Air bag inflators, or Air bag modules, or Seat-belt pretensioners..                           | 9                          | UN3268                     | III        | 9 .....     | 160                              | 166 .....             | 166 .....  | 166 .....  | 25 kg   | 100 kg                | A                | .....        |
|   | Air, compressed .....   | 2.2                        | UN1002                     | .....      | 2.2 .....   | 78                               | 306, 307.             | 302 .....  | 302 .....  | 75 kg   | 150 kg                | A                | .....        |
|   | Air, refrigerated liquid, ( <i>cryogenic liquid</i> ).  | 2.2                        | UN1003                     | .....      | 2.2, 5.1.   | T75, TP5, TP22                   | 320 .....             | 316 .....  | 318, 319.  | Forbidden                                       | Forbidden             | D                | 51           |
|   | Air, refrigerated liquid, ( <i>cryogenic liquid</i> ) <i>non-pressurized.</i>                 | 2.2                        | UN1003                     | .....      | 2.2, 5.1.   | T75, TP5, TP22                   | 320 .....             | 316 .....  | 318, 319.  | Forbidden                                       | Forbidden             | D                | 51           |
|   | <i>Aircraft engines (including turbines), see Engines, internal combustion.</i>               | .....                      | .....                      | .....      | .....       | .....                            | .....                 | .....      | .....      | .....   | .....                 | .....            | .....        |
|   | <i>Aircraft evacuation slides, see Life saving appliances etc.</i>                            | .....                      | .....                      | .....      | .....       | .....                            | .....                 | .....      | .....      | .....   | .....                 | .....            | .....        |
| Aircraft hydraulic power unit fuel tank ( <i>containing a mixture of anhydrous hydrazine and monomethyl hydrazine</i> ) (M86 fuel). | 3   | UN3165                     | I                          | 3, 6.1, 8. | .....       | None .....                       | 172 .....             | None ..... | Forbidden  | 42 L  | E                     | .....            |              |
| <i>Aircraft survival kits, see Life saving appliances etc.</i>  | .....   | .....                      | .....                      | .....      | .....       | .....                            | .....                 | .....      | .....      | .....   | .....                 | .....            |              |

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|---|---|-----|--------|-----|--------|--|------|-----|-----|-----------|--------|---|--------|
| G | Alcoholates solution, n.o.s., <i>in alcohol.</i>  | 3   | UN3274 | II  | 3, 8   | IB2                                      | 150  | 202 | 243 | 1 L       | 5 L    | B | .....  |
|   | Alcoholic beverages .....   | 3   | UN3065 | II  | 3      | 24, 149, B1, IB2, T4, TP1                | 150  | 202 | 242 | 5 L       | 60 L   | A | .....  |
|   | .....   |     |        | III | 3      | 24, B1, IB3, N11, T2, TP1                | 150  | 203 | 242 | 60 L      | 220 L  | A | .....  |
|   | Alcohols, n.o.s. ....   | 3   | UN1987 | I   | 3      | 172, T11, TP1, TP8, TP27                 | None | 201 | 243 | 1 L       | 30 L   | E | .....  |
|   | .....   |     |        | II  | 3      | 172, IB2, T7, TP1, TP8, TP28             | 150  | 202 | 242 | 5 L       | 60 L   | B | .....  |
|   | .....   |     |        | III | 3      | 172, B1, IB3, T4, TP1, TP29              | 150  | 203 | 242 | 60 L      | 220 L  | A | .....  |
| G | Alcohols, flammable, toxic n.o.s.   | 3   | UN1986 | I   | 3, 6.1 | T14, TP2, TP13, TP27                     | None | 201 | 243 | Forbidden | 30 L   | E | 40     |
|   | .....   |     |        | II  | 3, 6.1 | IB2, T11, TP2, TP27                      | 150  | 202 | 243 | 1 L       | 60 L   | B | 40     |
|   | .....   |     |        | III | 3, 6.1 | B1, IB3, T7, TP1, TP28                   | 150  | 203 | 242 | 60 L      | 220 L  | A | .....  |
|   | Aldehydes, n.o.s. ....  | 3   | UN1989 | I   | 3      | T11, TP1, TP27                           | None | 201 | 243 | 1 L       | 30 L   | E | .....  |
|   | .....   |     |        | II  | 3      | IB2, T7, TP1, TP8, TP28                  | 150  | 202 | 242 | 5 L       | 60 L   | B | .....  |
|   | .....   |     |        | III | 3      | B1, IB3, T4, TP1, TP29                   | 150  | 203 | 242 | 60 L      | 220 L  | A | .....  |
| G | Aldehydes, flammable, toxic, n.o.s..  | 3   | UN1988 | I   | 3, 6.1 | T14, TP2, TP13, TP27                     | None | 201 | 243 | Forbidden | 30 L   | E | 40     |
|   | .....   |     |        | II  | 3, 6.1 | IB2, T11, TP2, TP27                      | 150  | 202 | 243 | 1 L       | 60 L   | B | 40     |
|   | .....   |     |        | III | 3, 6.1 | B1, IB3, T7, TP1, TP28                   | 150  | 203 | 242 | 60 L      | 220 L  | A | .....  |
|   | Aldol .....   | 6.1 | UN2839 | II  | 6.1    | IB2, T7, TP2                             | 153  | 202 | 243 | 5 L       | 60 L   | A | 12     |
| G | Alkali metal alcoholates, self-heating, corrosive, n.o.s..  | 4.2 | UN3206 | II  | 4.2, 8 | 64, A7, IB5, IP2, T3, TP33               | None | 212 | 242 | 15 kg     | 50 kg  | B | .....  |
|   | .....   |     |        | III | 4.2, 8 | 64, A7, IB8, IP3, T1, TP33               | None | 213 | 242 | 25 kg     | 100 kg | B | .....  |
|   | Alkali metal alloys, liquid, n.o.s.   | 4.3 | UN1421 | I   | 4.3    | A2, A3, A7, B48, N34                     | None | 201 | 244 | Forbidden | 1 L    | D | 52     |
|   | Alkali metal amalgam, liquid .....  | 4.3 | UN1389 | I   | 4.3    | A2, A3, A7, N34                          | None | 201 | 244 | Forbidden | 1 L    | D | 40, 52 |
|   | Alkali metal amalgam, solid .....   | 4.3 | UN3401 | I   | 4.3    | IB4, IP1, N40, T9, TP7, TP33             | None | 211 | 242 | Forbidden | 15 kg  | D | 52     |
|   | Alkali metal amides .....   | 4.3 | UN1390 | II  | 4.3    | A6, A7, A8, A19, A20, IB7, IP2, T3, TP33 | 151  | 212 | 241 | 15 kg     | 50 kg  | E | 40, 52 |
|   | Alkali metal dispersions, or Alkaline earth metal dispersions. <i>Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s..</i> | 4.3 | UN1391 | I   | 4.3    | A2, A3, A7                               | None | 201 | 244 | Forbidden | 1 L    | D | 52     |
| G | Alkaline earth metal alcoholates, n.o.s..   | 4.2 | UN3205 | II  | 4.2    | 65, A7, IB6, IP2, T3, TP33               | None | 212 | 241 | 15 kg     | 50 kg  | B | .....  |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |      | (9)   |                       | (10)             |        |
|----------|--|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|------|---|-----------------------|------------------|--------|
|          |  |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|          |  |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
| (1)      | (2)  | (3)                        | (4)                        | (5) | (6)         | (7)                              | (8A)                  | (8B)      | (8C) | (9A)  | (9B)                  | (10A)            | (10B)  |
|          | .....  | .....                      |                            | III | 4.2         | 65, A7, IB8, IP3, T1, TP33       | None                  | 213       | 241  | 25 kg   | 100 kg                | B                | .....  |
|          | Alkaline earth metal alloys, n.o.s..   | 4.3                        | UN1393                     | II  | 4.3         | A19, IB7, IP2, T3, TP33          | 151                   | 212       | 241  | 15 kg   | 50 kg                 | E                | 52     |
|          | Alkaline earth metal amalgams, liquid.   | 4.3                        | UN1392                     | I   | 4.3         | A19, N34, N40                    | None                  | 201       | 244  | Forbidden                                       | 1 L                   | E                | 40, 52 |
|          | Alkaline earth metal amalgams, solid.  | 4.3                        | UN3402                     | I   | 4.3         | A19, N34, N40, T9, TP7, TP33     | None                  | 211       | 242  | Forbidden                                       | 15 kg                 | D                | 52     |
| G        | Alkaloids, liquid, n.o.s., or Alka- loid salts, liquid, n.o.s..  | 6.1                        | UN3140                     | I   | 6.1         | A4, T14, TP2, TP27               | None                  | 201       | 243  | 1 L   | 30 L                  | A                | .....  |
|          | .....  | .....                      |                            | II  | 6.1         | IB2, T11, TP2, TP27              | 153                   | 202       | 243  | 5 L   | 60 L                  | A                | .....  |
|          | .....  | .....                      |                            | III | 6.1         | IB3, T7, TP1, TP28               | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | .....  |
| G        | Alkaloids, solid, n.o.s. or Alka- loid salts, solid, n.o.s. poi- sonous.                                     | 6.1                        | UN1544                     | I   | 6.1         | IB7, IP1, T6, TP33               | None                  | 211       | 242  | 5 kg  | 50 kg                 | A                | .....  |
|          | .....  | .....                      |                            | II  | 6.1         | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                | .....  |
|          | .....  | .....                      |                            | III | 6.1         | IB8, IP3, T1, TP33               | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                | .....  |
|          | Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sul- furic acid.   | 8                          | UN2584                     | II  | 8           | B2, IB2, T8, TP2, TP12, TP13     | 154                   | 202       | 242  | 1 L   | 30 L                  | B                | .....  |
|          | Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid. | 8                          | UN2586                     | III | 8           | IB3, T4, TP1                     | 154                   | 203       | 241  | 5 L   | 60 L                  | B                | .....  |
|          | Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid, with more than 5 percent free sul- furic acid.    | 8                          | UN2583                     | II  | 8           | IB8, IP2, IP4, T3, TP33          | 154                   | 212       | 240  | 15 kg   | 50 kg                 | A                | .....  |
|          | Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sul- furic acid. | 8                          | UN2585                     | III | 8           | IB8, IP3, T1, TP33               | 154                   | 213       | 240  | 25 kg   | 100 kg                | A                | .....  |

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|---|-----|--------|-------------|---|------|-----|-----|-----------|-----------|---|-----|
| Alkylphenols, liquid, n.o.s. (including C2-C12 homologues). | 8   | UN3145 | I 8         | A6, T14, TP2  | None | 201 | 243 | 0.5 L     | 2.5 L     | B |     |
|   |     |        | II 8        | IB2, T11, TP2, TP27                                   | 154  | 202 | 242 | 1 L       | 30 L      | B |     |
|   |     |        | III 8       | IB3, T7, TP1, TP28                                    | 154  | 203 | 241 | 5 L       | 60 L      | A |     |
| Alkylphenols, solid, n.o.s. (including C2-C12 homologues).  | 8   | UN2430 | I 8         | IB7, IP1, T6, TP33                                    | None | 211 | 242 | 1 kg      | 25 kg     | B |     |
|   |     |        | II 8        | IB8, IP2, IP4, T3, TP33                               | 154  | 212 | 240 | 15 kg     | 50 kg     | B |     |
|   |     |        | III 8       | IB8, IP3, T1, TP33                                    | 154  | 213 | 240 | 25 kg     | 100 kg    | A |     |
| Alkylsulfuric acids   | 8   | UN2571 | II 8        | B2, IB2, T8, TP2, TP12, TP13, TP28                    | 154  | 202 | 242 | 1 L       | 30 L      | C | 14  |
| <i>Allethrin</i> , see Pesticides, liquid, toxic, n.o.s..   |     |        |             |   |      |     |     |           |           |   |     |
| Allyl acetate   | 3   | UN2333 | II 3, 6.1   | IB2, T7, TP1, TP13                                    | 150  | 202 | 243 | 1 L       | 60 L      | E | 40  |
| Allyl alcohol   | 6.1 | UN1098 | I 6.1, 3    | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40  |
| Allyl bromide   | 3   | UN1099 | I 3, 6.1    | T14, TP2, TP13  | None | 201 | 243 | Forbidden | 30 L      | B | 40  |
| Allyl chloride  | 3   | UN1100 | I 3, 6.1    | T14, TP2, TP13  | None | 201 | 243 | Forbidden | 30 L      | E | 40  |
| <i>Allyl chlorocarbonate</i> , see Allyl chloroformate.     |     |        |             |   |      |     |     |           |           |   |     |
| Allyl chloroformate   | 6.1 | UN1722 | I 6.1, 3, 8 | 2, B9, B14, B32, B74, N41, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40  |
| Allyl ethyl ether   | 3   | UN2335 | II 3, 6.1   | IB2, T7, TP1, TP13                                    | 150  | 202 | 243 | 1 L       | 60 L      | E | 40  |
| Allyl formate   | 3   | UN2336 | I 3, 6.1    | T14, TP2, TP13  | None | 201 | 243 | Forbidden | 30 L      | E | 40  |
| Allyl glycidyl ether  | 3   | UN2219 | III 3       | B1, IB3, T2, TP1                                      | 150  | 203 | 242 | 60 L      | 220 L     | A |     |
| Allyl iodide  | 3   | UN1723 | II 3, 8     | A3, A6, IB1, N34, T7, TP2, TP13                       | 150  | 202 | 243 | 1 L       | 5 L       | B | 40  |
| Allyl isothiocyanate, stabilized ...                        | 6.1 | UN1545 | II 6.1, 3   | A3, A7, IB2, T7, TP2                                  | None | 202 | 243 | Forbidden | 60 L      | D | 40  |
| Allylamine  | 6.1 | UN2334 | I 6.1, 3    | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45      | None | 227 | 244 | Forbidden | Forbidden | D | 40  |
| Allyltrichlorosilane, stabilized ....                       | 8   | UN1724 | II 8, 3     | A7, B2, B6, IB2, N34, T7, TP2, TP13                   | None | 202 | 243 | Forbidden | 30 L      | C | 40  |
| Aluminum alkyl halides, liquid ....                         | 4.2 | UN3052 | I 4.2, 4.3  | 173, B9, B11, T21, TP2, TP7                           | None | 181 | 244 | Forbidden | Forbidden | D | 134 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |       | (9)   |                       | (10)             |                         |
|----------|---|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|-----------|-------|---|-----------------------|------------------|-------------------------|
|          |   |                            |                            |       |             |                                  | Packaging (§ 173.***) |           |       | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                         |
|          |   |                            |                            |       |             |                                  | Excep- tions          | Non- bulk | Bulk  | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                   |
| (1)      | (2)   | (3)                        | (4)                        | (5)   | (6)         | (7)                              | (8A)                  | (8B)      | (8C)  | (9A)  | (9B)                  | (10A)            | (10B)                   |
|          | Aluminum alkyl halides, solid .....                           | 4.2                        | UN3461                     | I     | 4.2, 4.3    | 173, T21, TP7, TP33              | None                  | 181       | 244   | Forbidden                                       | Forbidden             | D                | 134                     |
|          | Aluminum alkyl hydrides .....                                 | 4.2                        | UN3076                     | I     | 4.2, 4.3    | 173, B9, B11, T21, TP2, TP7      | None                  | 181       | 244   | Forbidden                                       | Forbidden             | D                | .....                   |
|          | Aluminum alkyls .....   | 4.2                        | UN3051                     | I     | 4.2, 4.3    | 173, B9, B11, T21, TP2, TP7      | None                  | 181       | 244   | Forbidden                                       | Forbidden             | D                | .....                   |
|          | Aluminum borohydride or Alu-<br>minum borohydride in devices. | 4.2                        | UN2870                     | I     | 4.2, 4.3    | B11, T21, TP7, TP33              | None                  | 181       | 244   | Forbidden                                       | Forbidden             | D                | .....                   |
|          | Aluminum bromide, anhydrous ..                                | 8                          | UN1725                     | II    | 8           | IB8, IP2, IP4, T3, TP33          | 154                   | 212       | 240   | 15 kg   | 50 kg                 | A                | 40                      |
|          | Aluminum bromide, solution .....                              | 8                          | UN2580                     | III   | 8           | IB3, T4, TP1                     | 154                   | 203       | 241   | 5 L   | 60 L                  | A                | .....                   |
|          | Aluminum carbide .....  | 4.3                        | UN1394                     | II    | 4.3         | A20, IB7, IP2, N41, T3, TP33     | 151                   | 212       | 242   | 15 kg   | 50 kg                 | A                | 52                      |
|          | Aluminum chloride, anhydrous ..                               | 8                          | UN1726                     | II    | 8           | IB8, IP2, IP4, T3, TP33          | 154                   | 212       | 240   | 15 kg   | 50 kg                 | A                | 40                      |
|          | Aluminum chloride, solution .....                             | 8                          | UN2581                     | III   | 8           | IB3, T4, TP1                     | 154                   | 203       | 241   | 5 L   | 60 L                  | A                | .....                   |
|          | Aluminum dross, wet or hot .....                              | Forbidden                  | .....                      | ..... | .....       | .....                            | .....                 | .....     | ..... | .....   | .....                 | .....            | .....                   |
|          | Aluminum ferrosilicon powder ....                             | 4.3                        | UN1395                     | II    | 4.3, 6.1    | A19, IB5, IP2, T3, TP33          | 151                   | 212       | 242   | 15 kg   | 50 kg                 | A                | 39, 40, 52, 53, 85, 103 |
|          | .....   | .....                      | .....                      | III   | 4.3, 6.1    | A19, A20, IB4                    | 151                   | 213       | 241   | 25 kg   | 100 kg                | A                | 39, 40, 52, 53, 85, 103 |
| D        | Aluminum hydride .....  | 4.3                        | UN2463                     | I     | 4.3         | A19, N40                         | None                  | 211       | 242   | Forbidden                                       | 15 kg                 | E                | .....                   |
|          | Aluminum, molten .....  | 9                          | NA9260                     | III   | 9           | IB3, T1, TP3                     | None                  | None      | 247   | Forbidden                                       | Forbidden             | D                | .....                   |
|          | Aluminum nitrate .....  | 5.1                        | UN1438                     | III   | 5.1         | A1, A29, IB8, IP3, T1, TP33      | 152                   | 213       | 240   | 25 kg   | 100 kg                | A                | .....                   |
|          | Aluminum phosphate solution,<br>see Corrosive liquids, etc.   | .....                      | .....                      | ..... | .....       | .....                            | .....                 | .....     | ..... | .....   | .....                 | .....            | .....                   |
|          | Aluminum phosphide .....                                      | 4.3                        | UN1397                     | I     | 4.3, 6.1    | A8, A19, N40                     | None                  | 211       | 242   | Forbidden                                       | 15 kg                 | E                | 40, 52, 85              |
|          | Aluminum phosphide pesticides                                 | 6.1                        | UN3048                     | I     | 6.1         | A8, IB7, IP1, T6, TP33           | None                  | 211       | 242   | Forbidden                                       | 15 kg                 | E                | 40, 85                  |
|          | Aluminum powder, coated .....                                 | 4.1                        | UN1309                     | II    | 4.1         | IB8, IP2, IP4, T3, TP33          | 151                   | 212       | 240   | 15 kg   | 50 kg                 | A                | 13, 39, 52, 53, 74, 101 |
|          | .....   | .....                      | .....                      | III   | 4.1         | IB8, IP3, T1, TP33               | 151                   | 213       | 240   | 25 kg   | 100 kg                | A                | 13, 39, 52, 53, 74, 101 |

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|   |     |        |     |      |                                  |      |     |      |       |        |   |                         |
|---|-----|--------|-----|------|----------------------------------|------|-----|------|-------|--------|---|-------------------------|
| Aluminum powder, uncoated .....   | 4.3 | UN1396 | II  | 4.3  | A19, A20, IB7, IP2, T3, TP33     | 151  | 212 | 242  | 15 kg | 50 kg  | A | 39, 52, 53              |
| .....   |     |        | III | 4.3  | A19, A20, IB8, IP4, T1, TP33     | 151  | 213 | 241  | 25 kg | 100 kg | A | 39, 52, 53              |
| Aluminum resinate .....   | 4.1 | UN2715 | III | 4.1  | IB6, T1, TP33                    | 151  | 213 | 240  | 25 kg | 100 kg | A | .....                   |
| Aluminum silicon powder, uncoated.  | 4.3 | UN1398 | III | 4.3  | A1, A19, IB8, IP4, T1, TP33      | 151  | 213 | 241  | 25 kg | 100 kg | A | 39, 40, 52, 53, 85, 103 |
| Aluminum smelting by-products or Aluminum remelting by-products.                              | 4.3 | UN3170 | II  | 4.3  | 128, B115, IB7, IP2, T3, TP33    | None | 212 | 242  | 15 kg | 50 kg  | B | 85, 103                 |
| .....   |     |        | III | 4.3  | 128, B115, IB8, IP4, T1, TP33    | None | 213 | 241  | 25 kg | 100 kg | B | 85, 103                 |
| Amatols, see Explosives, blasting, type B.  |     |        |     |      |                                  |      |     |      |       |        |   |                         |
| G Amines, flammable, corrosive, n.o.s. or Polyamines, flammable, corrosive, n.o.s.            | 3   | UN2733 | I   | 3, 8 | T14, TP1, TP27                   | None | 201 | 243  | 0.5 L | 2.5 L  | D | 40, 52.                 |
| Amines, liquid, corrosive, flammable n.o.s. or Polyamines, liquid corrosive, flammable n.o.s. | 8   | UN2734 | I   | 8, 3 | A3, A6, N34, T14, TP2, TP27      | None | 201 | 243  | 0.5L  | 2.5L   | A | 52                      |
| .....   |     |        | II  | 3, 8 | IB2, T11, TP1, TP27              | 150  | 202 | 243  | 1 L   | 5 L    | B | 40, 52.                 |
| .....   |     |        | III | 3, 8 | B1, IB3, T7, TP1, TP28           | 150  | 203 | 242  | 5 L   | 60 L   | A | 40, 52.                 |
| .....   |     |        | II  | 8, 3 | IB2, T11, TP2, TP27              | None | 202 | 243  | 1 L   | 30 L   | A | 52                      |
| G Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s..                | 8   | UN2735 | I   | 8    | A3, A6, B10, N34, T14, TP2, TP27 | None | 201 | 243  | 0.5 L | 2.5 L  | A | 52                      |
| .....   |     |        | II  | 8    | B2, IB2, T11, TP1, TP27          | 154  | 202 | 242  | 1 L   | 30 L   | A | 52                      |
| .....   |     |        | III | 8    | IB3, T7, TP1, TP28               | 154  | 203 | 241  | 5 L   | 60 L   | A | 52                      |
| G Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s..                   | 8   | UN3259 | I   | 8    | IB7, IP1, T6, TP33               | None | 211 | 242  | 1 kg  | 25 kg  | A | 52                      |
| .....   |     |        | II  | 8    | IB8, IP2, IP4, T3, TP33          | 154  | 212 | 240  | 15 kg | 50 kg  | A | 52                      |
| .....   |     |        | III | 8    | IB8, IP3, T1, TP33               | 154  | 213 | 240  | 25 kg | 100 kg | A | 52                      |
| 2-Amino-4-chlorophenol .....  | 6.1 | UN2673 | II  | 6.1  | IB8, IP2, IP4, T3, TP33          | 153  | 212 | 242  | 25 kg | 100 kg | A | .....                   |
| 2-Amino-5-diethylaminopentane   | 6.1 | UN2946 | III | 6.1  | IB3, T4, TP1                     | 153  | 203 | 241  | 60 L  | 220 L  | A | .....                   |
| 2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass.                | 4.1 | UN3317 | I   | 4.1  | 23, A8, A19, A20, N41            | None | 211 | None | 1 kg  | 15 kg  | E | 28, 36                  |
| 2-(2-Aminoethoxy) ethanol .....   | 8   | UN3055 | III | 8    | IB3, T4, TP1                     | 154  | 203 | 241  | 5 L   | 60 L   | A | .....                   |
| N-Aminoethylpiperazine .....  | 8   | UN2815 | III | 8    | IB3, T4, TP1                     | 154  | 203 | 241  | 5 L   | 60 L   | A | 12                      |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |            |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|------------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |            |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other      |
| (1)      | (2)   | (3)                        | (4)                        | (5) | (6)         | (7)                              | (8A)                  | (8B)      | (8C)      | (9A)  | (9B)                  | (10A)            | (10B)      |
| +        | Aminophenols (o-; m-; p-) .....   | 6.1                        | UN2512                     | III | 6.1 .....   | IB8, IP3, T1, TP33               | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                | .....      |
|          | <i>Aminopropyl</i> diethanolamine, see Amines, etc. ....  |                            |                            |     | .....       |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | .....      |
|          | <i>n-Aminopropyl</i> morpholine, see Amines, etc. ....  |                            |                            |     | .....       |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | .....      |
|          | Aminopyridines (o-; m-; p-) .....   | 6.1                        | UN2671                     | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33          | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | B                | 12, 40, 52 |
| I        | Ammonia, anhydrous .....  | 2.3                        | UN1005                     |     | 2.3, 8      | 4, N87, T50                      | None .....            | 304 ..... | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 52, 57 |
| D        | Ammonia, anhydrous .....  | 2.2                        | UN1005                     |     | 2.2 .....   | 13, T50                          | None .....            | 304 ..... | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 52, 57 |
| I        | Ammonia solution, <i>relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia.</i> .....                                      | 2.3                        | UN3318                     |     | 2.3, 8      | 4, N87, T50                      | None .....            | 304 ..... | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 52, 57 |
| D        | Ammonia solution, <i>relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia.</i> .....                                      | 2.2                        | UN3318                     |     | 2.2 .....   | 13, T50                          | None .....            | 304 ..... | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 52, 57 |
|          | Ammonia solutions, <i>relative density less than 0.880 at 15 degrees C in water, with more than 35 percent but not more than 50 percent ammonia.</i> .....        | 2.2                        | UN2073                     |     | 2.2 .....   | N87                              | 306 .....             | 304 ..... | 314, 315. | Forbidden                                       | 150 kg                | E                | 40, 52, 57 |
|          | Ammonia solution, <i>relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia.</i> ..... | 8                          | UN2672                     | III | 8 .....     | IB3, IP8, T7, TP1                | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | 40, 52, 85 |
|          | Ammonium arsenate .....   | 6.1                        | UN1546                     | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33          | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                | 53         |
|          | Ammonium azide .....  | Forbidden                  |                            |     | .....       |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | .....      |
|          | Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid. ....   |                            |                            |     | .....       |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | .....      |



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)   | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | Ammonium nitrate, with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance.  | 1.1D                                  | UN0222                                | II            | 1.1D ..                |   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 10                      | 19E                |
|                     | Ammonium nitrate, with not more than 0.2% total combustible material, including any organic substance, calculated as carbon to the exclusion of any other added substance. | 5.1                                   | UN1942                                | III           | 5.1 .....              | A1, A29, IB8, IP3, T1, TP33                 | 152 .....                | 213 .....             | 240 .....        | 25 kg   | 100 kg                            | A                       | 48, 59, 60, 116    |
|                     | Ammonium nitrite .....   | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Ammonium perchlorate .....   | 1.1D                                  | UN0402                                | II            | 1.1D ..                | 107   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 10                      | 19E                |
|                     | Ammonium perchlorate .....   | 5.1                                   | UN1442                                | II            | 5.1 .....              | 107, A9, IB6, IP2, T3, TP33                 | 152 .....                | 212 .....             | 242 .....        | 5 kg  | 25 kg                             | E                       | 58, 69             |
|                     | Ammonium permanganate .....  | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Ammonium persulfate .....  | 5.1                                   | UN1444                                | III           | 5.1 .....              | A1, A29, IB8, IP3, T1, TP33                 | 152 .....                | 213 .....             | 240 .....        | 25 kg   | 100 kg                            | A                       |                    |
|                     | Ammonium picrate, dry or wetted with less than 10 percent water, by mass.  | 1.1D                                  | UN0004                                | II            | 1.1D ..                |   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 10                      | 5E, 19E            |
|                     | Ammonium picrate, wetted with not less than 10 percent water, by mass.   | 4.1                                   | UN1310                                | I             | 4.1 .....              | 23, A2, N41                                 | None ....                | 211 .....             | None ....        | 0.5 kg  | 0.5 kg                            | D                       | 28, 36             |
|                     | Ammonium polysulfide, solution   | 8                                     | UN2818                                | II            | 8, 6.1                 | IB2, T7, TP2, TP13                          | 154 .....                | 202 .....             | 243 .....        | 1 L   | 30 L                              | B                       | 12, 40, 52         |
|                     | .....  |                                       |                                       | III           | 8, 6.1                 | IB3, T4, TP1, TP13                          | 154 .....                | 203 .....             | 241 .....        | 5 L   | 60 L                              | B                       | 12, 40, 52         |
|                     | Ammonium polyvanadate .....  | 6.1                                   | UN2861                                | II            | 6.1 .....              | IB8, IP2, IP4, T3, TP33                     | 153 .....                | 212 .....             | 242 .....        | 25 kg   | 100 kg                            | A                       | 44, 89, 100, 141   |
|                     | Ammonium silicofluoride, see Ammonium fluorosilicate.  |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Ammonium sulfide solution .....  | 8                                     | UN2683                                | II            | 8, 6.1, 3.             | IB1, T7, TP2, TP13                          | 154 .....                | 202 .....             | 243 .....        | 1 L   | 30 L                              | B                       | 12, 22, 52, 100    |
|                     | Ammunition, blank, see Cartridges for weapons, blank.  |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |

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|  |       |        |       |          |       |       |       |       |       |           |           |       |                            |
|--|-------|--------|-------|----------|-------|-------|-------|-------|-------|-----------|-----------|-------|----------------------------|
| Ammunition, illuminating <i>with or without burster, expelling charge or propelling charge.</i>  | 1.2G  | UN0171 | II    | 1.2G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 03    | .....                      |
| Ammunition, illuminating <i>with or without burster, expelling charge or propelling charge.</i>  | 1.3G  | UN0254 | II    | 1.3G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 03    | .....                      |
| Ammunition, illuminating <i>with or without burster, expelling charge or propelling charge.</i>  | 1.4G  | UN0297 | II    | 1.4G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | 75 kg     | 02    | .....                      |
| Ammunition, incendiary <i>liquid or gel, with burster, expelling charge or propelling charge.</i>  | 1.3J  | UN0247 | II    | 1.3J ... | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 04    | 23E                        |
| Ammunition, incendiary (water-activated contrivances) <i>with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc..</i>                         | ..... | .....  | ..... | .....    | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....                      |
| Ammunition, incendiary, white phosphorus, <i>with burster, expelling charge or propelling charge.</i>  | 1.2H  | UN0243 | II    | 1.2H ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 08    | 8E,<br>14E,<br>15E,<br>17E |
| Ammunition, incendiary, white phosphorus, <i>with burster, expelling charge or propelling charge.</i>  | 1.3H  | UN0244 | II    | 1.3H ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 08    | 8E,<br>14E,<br>15E,<br>17E |
| Ammunition, incendiary <i>with or without burster, expelling charge, or propelling charge.</i>   | 1.2G  | UN0009 | II    | 1.2G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 03    | .....                      |
| Ammunition, incendiary <i>with or without burster, expelling charge, or propelling charge.</i>   | 1.3G  | UN0010 | II    | 1.3G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 03    | .....                      |
| Ammunition, incendiary <i>with or without burster, expelling charge or propelling charge.</i>  | 1.4G  | UN0300 | II    | 1.4G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | 75 kg     | 02    | .....                      |
| Ammunition, practice .....   | 1.4G  | UN0362 | II    | 1.4G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | 75 kg     | 02    | .....                      |
| Ammunition, practice .....   | 1.3G  | UN0488 | II    | 1.3G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | Forbidden | 03    | .....                      |
| Ammunition, proof .....  | 1.4G  | UN0363 | II    | 1.4G ..  | ..... | 62    | ..... | None  | ....  | Forbidden | 75 kg     | 02    | .....                      |
| Ammunition, rocket, <i>see Warheads, rocket etc.</i>   | ..... | .....  | ..... | .....    | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....                      |
| Ammunition, SA (small arms), <i>see Cartridges for weapons, etc.</i>   | ..... | .....  | ..... | .....    | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....                      |
| Ammunition, smoke (water-activated contrivances), <i>white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248).</i> | ..... | .....  | ..... | .....    | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....                      |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)   | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | <i>Ammunition, smoke (water-acti- vated contrivances), without white phosphorus or phosphides, with burster, ex- pelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249).</i> | .....                                 |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>Ammunition smoke, white phos- phorus with burster,expelling charge, or propelling charge.</i>   | 1.2H                                  | UN0245                                | II            | 1.2H ..                |   | ..... 62 .....           | None ....             | Forbidden        | Forbidden                                       | 08                                | 8E, 14E, 15E, 17E       |                    |
|                     | <i>Ammunition, smoke, white phos- phorus with burster, expelling charge, or propelling charge.</i>   | 1.3H                                  | UN0246                                | II            | 1.3H ..                |   | ..... 62 .....           | None ....             | Forbidden        | Forbidden                                       | 08                                | 8E, 14E, 15E, 17E       |                    |
|                     | <i>Ammunition, smoke with or with- out burster, expelling charge or propelling charge.</i>   | 1.2G                                  | UN0015                                | II            | 1.2G ..                |   | ..... 62 .....           | None ....             | Forbidden        | Forbidden                                       |                                   | 8E, 17E, 20E            |                    |
|                     | <i>Ammunition, smoke with or with- out burster, expelling charge or propelling charge.</i>   | 1.3G                                  | UN0016                                | II            | 1.3G ..                |   | ..... 62 .....           | None ....             | Forbidden        | Forbidden                                       |                                   | 8E, 17E, 20E            |                    |
|                     | <i>Ammunition, smoke with or with- out burster, expelling charge or propelling charge.</i>   | 1.4G                                  | UN0303                                | II            | 1.4G ..                |   | ..... 62 .....           | None ....             | Forbidden        | 75 kg   |                                   | 7E, 8E, 14E, 15E, 17E   |                    |
|                     | <i>Ammunition, sporting, see Car- tridges for weapons, etc. (UN 0012; UN 0328; UN 0339).</i>   | .....                                 |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed.</i>  | 6.1                                   | UN2017                                | II            | 6.1, 8                 |   | None .... 212 .....      | None ....             | Forbidden        | 50 kg   | E                                 | 13, 40                  |                    |
|                     | <i>Ammunition, tear-producing with burster, expelling charge or propelling charge.</i>   | 1.2G                                  | UN0018                                | II            | 1.2G, 8, 6.1.          |   | ..... 62 .....           | None ....             | Forbidden        | Forbidden                                       |                                   | 8E, 17E, 20E            |                    |
|                     | <i>Ammunition, tear-producing with burster, expelling charge or propelling charge.</i>   | 1.3G                                  | UN0019                                | II            | 1.3G, 8, 6.1.          |   | ..... 62 .....           | None ....             | Forbidden        | Forbidden                                       |                                   | 8E, 17E, 20E            |                    |

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|   |  |      |        |     |               |                                     |      |       |      |       |           |           |    |                       |
|---|--|------|--------|-----|---------------|-------------------------------------|------|-------|------|-------|-----------|-----------|----|-----------------------|
|   | Ammunition, tear-producing with burster, expelling charge or propelling charge.  | 1.4G | UN0301 | II  | 1.4G, 8, 6.1. | .....                               | 62   | ..... | None | ..... | Forbidden | 75 kg     |    | 7E, 8E, 14E, 15E, 17E |
|   | Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed.  | 6.1  | UN2016 | II  | 6.1           | .....                               | 212  | ..... | None | ..... | Forbidden | 100 kg    | E  | 13, 40                |
|   | Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. |      |        |     |               |                                     |      |       |      |       |           |           |    |                       |
| G | Ammunition, toxic with burster, expelling charge, or propelling charge.  | 1.2K | UN0020 | II  | 1.2K, 6.1.    | .....                               | 62   | ..... | None | ..... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E     |
| G | Ammunition, toxic with burster, expelling charge, or propelling charge.  | 1.3K | UN0021 | II  | 1.3K, 6.1.    | .....                               | 62   | ..... | None | ..... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E     |
|   | Amyl acetates  | 3    | UN1104 | III | 3             | B1, IB3, T2, TP1                    | 150  | 203   | 242  | ..... | 60 L      | 220 L     | A  | .....                 |
|   | Amyl acid phosphate  | 8    | UN2819 | III | 8             | IB3, T4, TP1                        | 154  | 203   | 241  | ..... | 5 L       | 60 L      | A  | .....                 |
|   | Amyl butyrates   | 3    | UN2620 | III | 3             | B1, IB3, T2, TP1                    | 150  | 203   | 242  | ..... | 60 L      | 220 L     | A  | .....                 |
|   | Amyl chlorides   | 3    | UN1107 | II  | 3             | IB2, T4, TP1                        | 150  | 202   | 242  | ..... | 5 L       | 60 L      | B  | .....                 |
|   | Amyl formates  | 3    | UN1109 | III | 3             | B1, IB3, T2, TP1                    | 150  | 203   | 242  | ..... | 60 L      | 220 L     | A  | .....                 |
|   | Amyl mercaptans  | 3    | UN1111 | II  | 3             | A3, A6, IB2, T4, TP1                | None | 202   | 242  | ..... | 5 L       | 60 L      | B  | 95, 102               |
|   | n-Amyl methyl ketone   | 3    | UN1110 | III | 3             | B1, IB3, T2, TP1                    | 150  | 203   | 242  | ..... | 60 L      | 220 L     | A  | .....                 |
|   | Amyl nitrate   | 3    | UN1112 | III | 3             | B1, IB3, T2, TP1                    | 150  | 203   | 242  | ..... | 60 L      | 220 L     | A  | 40                    |
|   | Amyl nitrites  | 3    | UN1113 | II  | 3             | IB2, T4, TP1                        | 150  | 202   | 242  | ..... | 5 L       | 60 L      | E  | 40                    |
|   | Amylamines   | 3    | UN1106 | II  | 3, 8          | IB2, T7, TP1                        | 150  | 202   | 243  | ..... | 1 L       | 5 L       | B  | .....                 |
|   |  |      |        | III | 3, 8          | B1, IB3, T4, TP1                    | 150  | 203   | 242  | ..... | 5 L       | 60 L      | A  | .....                 |
|   | Amyltrimethylchlorosilane  | 8    | UN1728 | II  | 8             | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202   | 242  | ..... | Forbidden | 30 L      | C  | 40                    |
|   | Anhydrous ammonia, see Ammonia, anhydrous.   |      |        |     |               |                                     |      |       |      |       |           |           |    |                       |
|   | Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous.   |      |        |     |               |                                     |      |       |      |       |           |           |    |                       |
| + | Aniline  | 6.1  | UN1547 | II  | 6.1           | IB2, T7, TP2                        | 153  | 202   | 243  | ..... | 5 L       | 60 L      | A  | 40, 52                |
|   | Aniline hydrochloride  | 6.1  | UN1548 | III | 6.1           | IB8, IP3, T1, TP33                  | 153  | 213   | 240  | ..... | 100 kg    | 200 kg    | A  | .....                 |
|   | Aniline oil, see Aniline   |      |        |     |               |                                     |      |       |      |       |           |           |    |                       |
|   | Anisidines   | 6.1  | UN2431 | III | 6.1           | IB3, T4, TP1                        | 153  | 203   | 241  | ..... | 60 L      | 220 L     | A  | .....                 |
|   | Anisole  | 3    | UN2222 | III | 3             | B1, IB3, T2, TP1                    | 150  | 203   | 242  | ..... | 60 L      | 220 L     | A  | .....                 |
|   | Anisoyl chloride   | 8    | UN1729 | II  | 8             | B2, B4, IB8, IP2, IP4, T3, TP33     | 154  | 212   | 240  | ..... | 15 kg     | 50 kg     | A  | .....                 |
|   | Anti-freeze, liquid, see Flammable liquids, n.o.s..  |      |        |     |               |                                     |      |       |      |       |           |           |    |                       |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)       | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | <i>Antimonous chloride, see Anti- mony trichloride.</i>                      |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Antimony compounds, inorganic, liquid, n.o.s..                               | 6.1                                   | UN3141                                | III           | 6.1                    | 35, IB3, T7, TP1, TP28                      | 153                      | 203                   | 241              | 60 L  | 220 L                             | A                       |                    |
|                     | Antimony compounds, inorganic, solid, n.o.s..                                | 6.1                                   | UN1549                                | III           | 6.1                    | 35, IB8, IP3, T1, TP33                      | 153                      | 213                   | 240              | 100 kg  | 200 kg                            | A                       |                    |
|                     | Antimony lactate   | 6.1                                   | UN1550                                | III           | 6.1                    | IB8, IP3, T1, TP33                          | 153                      | 213                   | 240              | 100 kg  | 200 kg                            | A                       |                    |
|                     | Antimony pentachloride, liquid ...   | 8                                     | UN1730                                | II            | 8                      | B2, IB2, T7, TP2                            | None                     | 202                   | 242              | 1 L   | 30 L                              | C                       | 40                 |
|                     | Antimony pentachloride, solu- tions.   | 8                                     | UN1731                                | II            | 8                      | B2, IB2, T7, TP2                            | 154                      | 202                   | 242              | 1 L   | 30 L                              | C                       | 40                 |
|                     | Antimony pentafluoride   | 8                                     | UN1732                                | III           | 8                      | IB3, T4, TP1                                | 154                      | 203                   | 241              | 5 L   | 60 L                              | C                       | 40                 |
|                     |  |                                       |                                       | II            | 8, 6.1                 | A3, A6, A7, A10, IB2, N3, N36, T7, TP2      | None                     | 202                   | 243              | Forbidden                                       | 30 L                              | D                       | 44, 89, 100, 141   |
|                     | Antimony potassium tartrate  | 6.1                                   | UN1551                                | III           | 6.1                    | IB8, IP3, T1, TP33                          | 153                      | 213                   | 240              | 100 kg  | 200 kg                            | A                       |                    |
|                     | Antimony powder  | 6.1                                   | UN2871                                | III           | 6.1                    | IB8, IP3, T1, TP33                          | 153                      | 213                   | 240              | 100 kg  | 200 kg                            | A                       |                    |
|                     | <i>Antimony sulfide and a chlorate, mixtures of.</i>                         | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | <i>Antimony sulfide, solid, see Anti- mony compounds, inorganic, n.o.s..</i> |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Antimony trichloride, liquid   | 8                                     | UN1733                                | II            | 8                      | B2, IB2                                     | 154                      | 202                   | 242              | 1 L   | 30 L                              | C                       | 40                 |
|                     | Antimony trichloride, solid  | 8                                     | UN1733                                | II            | 8                      | IB8, IP2, IP4, T3, TP33                     | 154                      | 212                   | 240              | 15 kg   | 50 kg                             | A                       | 40.                |
|                     | <i>Aqua ammonia, see Ammonia solution, etc.</i>                              |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Argon, compressed  | 2.2                                   | UN1006                                |               | 2.2                    |   | 306                      | 302                   | 314, 315.        | 75 kg   | 150 kg                            | A                       |                    |
|                     | Argon, refrigerated liquid ( <i>cryo- genic liquid</i> ).                    | 2.2                                   | UN1951                                |               | 2.2                    | T75, TP5                                    | 320                      | 316                   | 318              | 50 kg   | 500 kg                            | B                       |                    |
|                     | Arsenic  | 6.1                                   | UN1558                                | II            | 6.1                    | IB8, IP2, IP4, T3, TP33                     | 153                      | 212                   | 242              | 25 kg   | 100 kg                            | A                       |                    |
|                     | Arsenic acid, liquid   | 6.1                                   | UN1553                                | I             | 6.1                    | T20, TP2, TP7, TP13                         | None                     | 201                   | 243              | 1 L   | 30 L                              | B                       | 46                 |
|                     | Arsenic acid, solid  | 6.1                                   | UN1554                                | II            | 6.1                    | IB8, IP2, IP4, T3, TP33                     | 153                      | 212                   | 242              | 25 kg   | 100 kg                            | A                       |                    |

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|--|-----------|--------|-----|--------|--|------|-----|-----|-----------|-----------|---|---------|
| Arsenic bromide .....  | 6.1       | UN1555 | II  | 6.1    | IB8, IP2, IP4, T3, TP33                          | 153  | 212 | 242 | 25 kg     | 100 kg    | A | 12, 40  |
| <i>Arsenic chloride, see Arsenic trichloride.</i>  |           |        |     |        |  |      |     |     |           |           |   |         |
| Arsenic compounds, liquid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.. | 6.1       | UN1556 | I   | 6.1    | T14, TP2, TP13, TP27                             | None | 201 | 243 | 1 L       | 30 L      | B | 40, 137 |
|  |           |        | II  | 6.1    | IB2, T11, TP2, TP13, TP27                        | 153  | 202 | 243 | 5 L       | 60 L      | B | 40, 137 |
|  |           |        | III | 6.1    | IB3, T7, TP2, TP28                               | 153  | 203 | 241 | 60 L      | 220 L     | B | 40, 137 |
| Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s..  | 6.1       | UN1557 | I   | 6.1    | IB7, IP1, T6, TP33                               | None | 211 | 242 | 5 kg      | 50 kg     | A | 137     |
|  |           |        | II  | 6.1    | IB8, IP2, IP4, T3, TP33                          | 153  | 212 | 242 | 25 kg     | 100 kg    | A | 137     |
|  |           |        | III | 6.1    | IB8, IP3, T1, TP33                               | 153  | 213 | 240 | 100 kg    | 200 kg    | A | 137     |
| Arsenic pentoxide .....  | 6.1       | UN1559 | II  | 6.1    | IB8, IP2, IP4, T3, TP33                          | 153  | 212 | 242 | 25 kg     | 100 kg    | A |         |
| <i>Arsenic sulfide and a chlorate, mixtures of.</i>  | Forbidden |        |     |        |  |      |     |     |           |           |   |         |
| Arsenic trichloride .....  | 6.1       | UN1560 | I   | 6.1    | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | B | 40      |
| Arsenic trioxide .....   | 6.1       | UN1561 | II  | 6.1    | IB8, IP2, IP4, T3, TP33                          | 153  | 212 | 242 | 25 kg     | 100 kg    | A |         |
| <i>Arsenic, white, solid, see Arsenic trioxide.</i>  |           |        |     |        |  |      |     |     |           |           |   |         |
| Arsenical dust .....   | 6.1       | UN1562 | II  | 6.1    | IB8, IP2, IP4, T3, TP33                          | 153  | 212 | 242 | 25 kg     | 100 kg    | A |         |
| Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.  | 3         | UN2760 | I   | 3, 6.1 | T14, TP2, TP13, TP27                             | None | 201 | 243 | Forbidden | 30 L      | B | 40      |
|  |           |        | II  | 3, 6.1 | IB2, T11, TP2, TP13, TP27                        | 150  | 202 | 243 | 1 L       | 60 L      | B | 40      |
| Arsenical pesticides, liquid, toxic  | 6.1       | UN2994 | I   | 6.1    | T14, TP2, TP13, TP27                             | None | 201 | 243 | 1 L       | 30 L      | B | 40      |
|  |           |        | II  | 6.1    | IB2, T11, TP2, TP13, TP27                        | 153  | 202 | 243 | 5 L       | 60 L      | B | 40      |
|  |           |        | III | 6.1    | IB3, T7, TP2, TP28                               | 153  | 203 | 241 | 60 L      | 220 L     | A | 40      |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                             | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |                    |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|--------------------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                    |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other              |
| (1)      | (2)   | (3)                        | (4)                        | (5) | (6)         | (7)                              | (8A)                  | (8B)      | (8C)      | (9A)  | (9B)                  | (10A)            | (10B)              |
|          | Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1                        | UN2993                     | I   | 6.1, 3      | T14, TP2, TP13, TP27             | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | B                | 40                 |
|          |   |                            |                            | II  | 6.1, 3      | IB2, T11, TP2, TP13, TP27        | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | B                | 40                 |
|          |   |                            |                            | III | 6.1, 3      | B1, IB3, T7, TP2, TP28           | 153 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | 40                 |
|          | Arsenical pesticides, solid, toxic  | 6.1                        | UN2759                     | I   | 6.1         | IB7, IP1, T6, TP33               | None ....             | 211 ..... | 242 ..... | 5 kg  | 50 kg                 | A                | 40                 |
|          |   |                            |                            | II  | 6.1         | IB8, IP2, IP4, T3, TP33          | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                | 40                 |
|          |   |                            |                            | III | 6.1         | IB8, IP3, T1, TP33               | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                | 40                 |
|          | Arsenious acid, solid, see Arsenic trioxide.  |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |                    |
|          | Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s..          |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |                    |
|          | Arsine  | 2.3                        | UN2188                     |     | 2.3, 2.1.   | 1                                | None ....             | 192 ..... | 245 ..... | Forbidden                                       | Forbidden             | D                | 40                 |
|          | Articles, explosive, extremely insensitive or Articles, EEI.                            | 1.6N                       | UN0486                     | II  | 1.6N        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               |                    |
| G        | Articles, explosive, n.o.s  | 1.4S                       | UN0349                     | II  | 1.4S        |                                  | None ....             | 62 .....  | None .... | 25 kg   | 100 kg                | 05               |                    |
| G        | Articles, explosive, n.o.s  | 1.4B                       | UN0350                     | II  | 1.4B        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 06               |                    |
| G        | Articles, explosive, n.o.s  | 1.4C                       | UN0351                     | II  | 1.4C        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               |                    |
| G        | Articles, explosive, n.o.s  | 1.4D                       | UN0352                     | II  | 1.4D        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               |                    |
| G        | Articles, explosive, n.o.s  | 1.4G                       | UN0353                     | II  | 1.4G        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               |                    |
| G        | Articles, explosive, n.o.s  | 1.1L                       | UN0354                     | II  | 1.1L        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 08               | 8E, 14E, 15E, 17E. |
| G        | Articles, explosive, n.o.s  | 1.2L                       | UN0355                     | II  | 1.2L        |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 08               | 8E, 14E, 15E, 17E. |

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|     |  |           |        |       |           |                       |              |           |           |           |           |                             |        |
|-----|--|-----------|--------|-------|-----------|-----------------------|--------------|-----------|-----------|-----------|-----------|-----------------------------|--------|
| G   | Articles, explosive, n.o.s .....   | 1.3L      | UN0356 | II    | 1.3L ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 08        | 8E,<br>14E,<br>15E,<br>17E. |        |
| G   | Articles, explosive, n.o.s .....   | 1.1C      | UN0462 | II    | 1.1C ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.1D      | UN0463 | II    | 1.1D ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.1E      | UN0464 | II    | 1.1E ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.1F      | UN0465 | II    | 1.1F ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 08        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.2C      | UN0466 | II    | 1.2C ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.2D      | UN0467 | II    | 1.2D ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07.       |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.2E      | UN0468 | II    | 1.2E ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.2F      | UN0469 | II    | 1.2F ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 08        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.3C      | UN0470 | II    | 1.3C ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.4E      | UN0471 | II    | 1.4E ...  | None ...              | 62 .....     | None ...  | Forbidden | 75 kg     | 06        |                             |        |
| G   | Articles, explosive, n.o.s .....   | 1.4F      | UN0472 | II    | 1.4F ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 08        |                             |        |
|     | Articles, pressurized pneumatic<br>or hydraulic containing non-<br>flammable gas.  | 2.2       | UN3164 | ..... | 2.2 ..... | 306 .....             | 302,<br>304. | None ...  | No limit  | No limit  | A         | .....                       |        |
|     | Articles, pyrophoric .....   | 1.2L      | UN0380 | II    | 1.2L ...  | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 08        | 8E,<br>14E,<br>15E,<br>17E  |        |
|     | Articles, pyrotechnic for <i>tech-<br/>nical purposes</i> .  | 1.1G      | UN0428 | II    | 1.1G ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        | .....                       |        |
|     | Articles, pyrotechnic for <i>tech-<br/>nical purposes</i> .  | 1.2G      | UN0429 | II    | 1.2G ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        | .....                       |        |
|     | Articles, pyrotechnic for <i>tech-<br/>nical purposes</i> .  | 1.3G      | UN0430 | II    | 1.3G ..   | None ...              | 62 .....     | None ...  | Forbidden | Forbidden | 07        | .....                       |        |
|     | Articles, pyrotechnic for <i>tech-<br/>nical purposes</i> .  | 1.4G      | UN0431 | II    | 1.4G ..   | None ...              | 62 .....     | None ...  | Forbidden | 75 kg     | 06        | .....                       |        |
|     | Articles, pyrotechnic for <i>tech-<br/>nical purposes</i> .  | 1.4S      | UN0432 | II    | 1.4S ...  | None ...              | 62 .....     | None ...  | 25 kg     | 100 kg    | 05        | .....                       |        |
| D   | Asbestos .....   | 9         | NA2212 | III   | 9 .....   | 156, IB8, IP2,<br>IP4 | 155 .....    | 216 ..... | 240 ..... | 200 kg    | 200 kg    | A                           | 34, 40 |
|     | Ascaridole (organic peroxide) ....   | Forbidden |        |       |           |                       |              |           |           |           |           |                             |        |
| D   | Asphalt, at or above its flash<br>point.   | 3         | NA1999 | III   | 3 .....   | IB3, T1, TP3          | 150 .....    | 203 ..... | 247 ..... | Forbidden | Forbidden | D                           | .....  |
| D   | Asphalt, cut back, see Tars, liq-<br>uid, etc.   | .....     |        |       |           |                       |              |           |           |           |           |                             |        |
|     | Automobile, motorcycle, tractor,<br>other self-propelled vehicle,<br>engine, or other mechanical<br>apparatus, see Vehicles or<br>Battery etc. | .....     |        |       |           |                       |              |           |           |           |           |                             |        |
| A G | Aviation regulated liquid, n.o.s. ...  | 9         | UN3334 | ..... | 9 .....   | A35                   | 155 .....    | 204 ..... |           | No limit  | No limit  | A                           | .....  |
| A G | Aviation regulated solid, n.o.s. ...   | 9         | UN3335 | ..... | 9 .....   | A35                   | 155 .....    | 204 ..... |           | No limit  | No limit  | A                           | .....  |
|     | Azaurolic acid (salt of) (dry) .....   | Forbidden |        |       |           |                       |              |           |           |           |           |                             |        |
|     | Azido guanidine picrate (dry) .....  | Forbidden |        |       |           |                       |              |           |           |           |           |                             |        |
|     | 5-Azido-1-hydroxy tetrazole .....  | Forbidden |        |       |           |                       |              |           |           |           |           |                             |        |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)                         | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | <i>Azido hydroxy tetrazole (mer- cury and silver salts).</i>                                   | Forbidden                             |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>3-Azido-1,2-Propylene glycol dinitrate.</i>   | Forbidden                             |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>Azidodithiocarbonic acid</i> .....  | Forbidden                             |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>Azidoethyl nitrate</i> .....  | Forbidden                             |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>1-Aziridinylphosphine oxide- (tris), see Tris-(1-aziridinyl) phosphine oxide, solution.</i> | .....                                 |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>Azodicarbonamide</i> .....  | 4.1                                   | UN3242                                | II            | 4.1                    | 38, IB8, T3, TP33                           | 151                      | 212                   | 240              | Forbidden                                       | Forbidden                         | D                       | 12, 52, 53, 74     |
|                     | <i>Azotetrazole (dry)</i> .....  | Forbidden                             |                                       |               | .....                  |   | .....                    | .....                 | .....            | .....   |                                   | .....                   |                    |
|                     | <i>Barium</i> .....  | 4.3                                   | UN1400                                | II            | 4.3                    | A19, IB7, IP2, T3, TP33                     | 151                      | 212                   | 241              | 15 kg   | 50 kg                             | E                       | 52                 |
|                     | <i>Barium alloys, pyrophoric</i> .....   | 4.2                                   | UN1854                                | I             | 4.2                    | T21, TP7, TP33                              | None                     | 181                   | None             | Forbidden                                       | Forbidden                         | D                       | .....              |
|                     | <i>Barium azide, dry or wetted with less than 50 percent water, by mass.</i>                   | 1.1A                                  | UN0224                                | II            | 1.1A, 6.1.             | 111, 117                                    | None                     | 62                    | None             | Forbidden                                       | Forbidden                         | 12                      | .....              |
|                     | <i>Barium azide, wetted with not less than 50 percent water, by mass.</i>                      | 4.1                                   | UN1571                                | I             | 4.1, 6.1.              | 162, A2                                     | None                     | 182                   | None             | Forbidden                                       | 0.5 kg                            | D                       | 28                 |
|                     | <i>Barium bromate</i> .....  | 5.1                                   | UN2719                                | II            | 5.1, 6.1.              | IB8, IP2, IP4, T3, TP33                     | 152                      | 212                   | 242              | 5 kg  | 25 kg                             | A                       | 56, 58             |
|                     | <i>Barium chlorate, solid</i> .....  | 5.1                                   | UN1445                                | II            | 5.1, 6.1.              | A9, IB6, IP2, N34, T3, TP33                 | 152                      | 212                   | 242              | 5 kg  | 25 kg                             | A                       | 56, 58             |
|                     | <i>Barium chlorate, solution</i> .....   | 5.1                                   | UN3405                                | II            | 5.1, 6.1.              | A9, IB2, N34, T4, TP1                       | 152                      | 202                   | 243              | 1 L   | 5 L                               | A                       | 56, 58, 133        |
|                     | .....  |                                       |                                       | III           | 5.1, 6.1.              | A9, IB2, N34, T4, TP1                       | 152                      | 203                   | 242              | 2.5 L   | 30 L                              | A                       | 56, 58, 133        |
|                     | <i>Barium compounds, n.o.s.</i> .....  | 6.1                                   | UN1564                                | II            | 6.1                    | IB8, IP2, IP4, T3, TP33                     | 153                      | 212                   | 242              | 25 kg   | 100 kg                            | A                       | .....              |
|                     | .....  |                                       |                                       | III           | 6.1                    | IB8, IP3, T1, TP33                          | 153                      | 213                   | 240              | 100 kg  | 200 kg                            | A                       | .....              |
|                     | <i>Barium cyanide</i> .....  | 6.1                                   | UN1565                                | I             | 6.1                    | IB7, IP1, N74, N75, T6, TP33                | None                     | 211                   | 242              | 5 kg  | 50 kg                             | A                       | 40, 52             |
|                     | <i>Barium hypochlorite with more than 22 percent available chlorine.</i>                       | 5.1                                   | UN2741                                | II            | 5.1, 6.1.              | A7, A9, IB8, IP2, IP4, N34, T3, TP33        | 152                      | 212                   | None             | 5 kg  | 25 kg                             | B                       | 4, 52, 56, 58, 106 |

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|--|-----------|--------|-------|--------------|--|------------|-----------|------------|-------------|--------------|---|-------------------|
| Barium nitrate .....   | 5.1       | UN1446 | II    | 5.1,<br>6.1. | IB8, IP2, IP4, T3,<br>TP33                         | 152 .....  | 212 ..... | 242 .....  | 5 kg        | 25 kg        | A | .....             |
| Barium oxide .....   | 6.1       | UN1884 | III   | 6.1 .....    | IB8, IP3, T1,<br>TP33                              | 153 .....  | 213 ..... | 240 .....  | 100 kg      | 200 kg       | A | .....             |
| Barium perchlorate, solid .....  | 5.1       | UN1447 | II    | 5.1,<br>6.1. | IB6, IP2, T3,<br>TP33                              | 152 .....  | 212 ..... | 242 .....  | 5 kg        | 25 kg        | A | 56, 58            |
| Barium perchlorate, solution .....   | 5.1       | UN3406 | II    | 5.1,<br>6.1. | IB2, T4, TP1                                       | 152 .....  | 202 ..... | 243 .....  | 1 L         | 5 L          | A | 56, 58,<br>133    |
| .....  |           |        | III   | 5.1,<br>6.1. | IB2, T4, TP1                                       | 152 .....  | 203 ..... | 242 .....  | 2.5 L       | 30 L         | A | 56, 58,<br>133    |
| Barium permanganate .....  | 5.1       | UN1448 | II    | 5.1,<br>6.1. | IB6, IP2, T3,<br>TP33                              | 152 .....  | 212 ..... | 242 .....  | 5 kg        | 25 kg        | D | 56, 58,<br>138    |
| Barium peroxide .....  | 5.1       | UN1449 | II    | 5.1,<br>6.1. | A9, IB6, IP2, T3,<br>TP33                          | 152 .....  | 212 ..... | 242 .....  | 5 kg        | 25 kg        | A | 13, 52,<br>56, 75 |
| <i>Barium selenate, see Selenates or Selenites.</i>  |           |        |       |              |  |            |           |            |             |              |   |                   |
| <i>Barium selenite, see Selenates or Selenites.</i>  |           |        |       |              |  |            |           |            |             |              |   |                   |
| Batteries, containing sodium .....   | 4.3       | UN3292 | II    | 4.3 .....    |  | 189 .....  | 189 ..... | 189 .....  | Forbidden   | No limit     | A | .....             |
| Batteries, dry, containing potassium hydroxide solid, <i>electric storage.</i>   | 8         | UN3028 | III   | 8 .....      |  | None ..... | 213 ..... | None ..... | 25 kg gross | 230 kg gross | A | 52.               |
| Batteries, wet, filled with acid, <i>electric storage.</i>   | 8         | UN2794 | III   | 8 .....      |  | 159 .....  | 159 ..... | 159 .....  | 30 kg gross | No limit     | A | .....             |
| Batteries, wet, filled with alkali, <i>electric storage.</i>   | 8         | UN2795 | III   | 8 .....      |  | 159 .....  | 159 ..... | 159 .....  | 30 kg gross | No limit     | A | 52.               |
| Batteries, wet, non-spillable, <i>electric storage.</i>  | 8         | UN2800 | III   | 8 .....      |  | 159 .....  | 159 ..... | 159 .....  | No Limit    | No Limit     | A | .....             |
| Batteries, dry, <i>not subject to the requirements of this subchapter.</i>   |           |        |       |              |  | 130 .....  |           |            |             |              |   | .....             |
| Battery fluid, acid .....  | 8         | UN2796 | II    | 8 .....      | A3, A7, B2, B15,<br>IB2, N6, N34,<br>T8, TP2, TP12 | 154 .....  | 202 ..... | 242 .....  | 1 L         | 30 L         | B | .....             |
| Battery fluid, alkali .....  | 8         | UN2797 | II    | 8 .....      | B2, IB2, N6, T7,<br>TP2, TP28                      | 154 .....  | 202 ..... | 242 .....  | 1 L         | 30 L         | A | 29                |
| <i>Battery lithium type, see Lithium batteries etc.</i>  |           |        |       |              |  |            |           |            |             |              |   | .....             |
| Battery-powered vehicle or Battery-powered equipment.  | 9         | UN3171 | ..... | 9 .....      |  | 134 .....  | 220 ..... | 220 .....  | None .....  | No limit     |   | .....             |
| <i>Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc. or Engines, internal combustion, etc.</i> |           |        |       |              |  |            |           |            |             |              |   | .....             |
| + Benzaldehyde .....   | 9         | UN1990 | III   | 9 .....      | IB3, T2, TP1                                       | 155 .....  | 203 ..... | 241 .....  | 100 L       | 220 L        | A | .....             |
| Benzene .....  | 3         | UN1114 | II    | 3 .....      | IB2, T4, TP1                                       | 150 .....  | 202 ..... | 242 .....  | 5 L         | 60 L         | B | 40                |
| <i>Benzene diazonium chloride (dry).</i>   | Forbidden |        |       |              |  |            |           |            |             |              |   | .....             |



|   |           |        |       |        |                           |       |       |       |             |             |       |        |
|---|-----------|--------|-------|--------|---------------------------|-------|-------|-------|-------------|-------------|-------|--------|
| Beryllium compounds, n.o.s. ....  | 6.1       | UN1566 | II    | 6.1    | IB8, IP2, IP4, T3, TP33   | 153   | 212   | 242   | 25 kg       | 100 kg      | A     | .....  |
| .....   | .....     | .....  | III   | 6.1    | IB8, IP3, T1, TP33        | 153   | 213   | 240   | 100 kg      | 200 kg      | A     | .....  |
| Beryllium nitrate .....   | 5.1       | UN2464 | II    | 5.1,   | IB8, IP2, IP4, T3, TP33   | 152   | 212   | 242   | 5 kg        | 25 kg       | A     | .....  |
| Beryllium, powder .....   | 6.1       | UN1567 | II    | 6.1,   | IB8, IP2, IP4, T3, TP33   | 153   | 212   | 242   | 15 kg       | 50 kg       | A     | .....  |
| Bicyclo [2,2,1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized.                           | 3         | UN2251 | II    | 3      | IB2, T7, TP2              | 150   | 202   | 242   | 5 L         | 60 L        | D     | .....  |
| Biological substance, Category B.   | 6.2       | UN3373 | ..... | .....  | A82                       | 134   | 199   | None  | 4 L or 4 kg | 4 L or 4 kg | A     | 40     |
| <i>Biphenyl triozone</i> .....  | Forbidden | .....  | ..... | .....  | .....                     | ..... | ..... | ..... | .....       | .....       | ..... | .....  |
| Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.                  | 3         | UN2782 | I     | 3, 6.1 | T14, TP2, TP13, TP27      | None  | 201   | 243   | Forbidden   | 30 L        | E     | .....  |
| .....   | .....     | .....  | II    | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | 150   | 202   | 243   | 1 L         | 60 L        | B     | 40     |
| Bipyridilium pesticides, liquid, toxic.   | 6.1       | UN3016 | I     | 6.1    | T14, TP2, TP13, TP27      | None  | 201   | 243   | 1 L         | 30 L        | B     | 40     |
| .....   | .....     | .....  | II    | 6.1    | IB2, T11, TP2, TP13, TP27 | 153   | 202   | 243   | 5 L         | 60 L        | B     | 40     |
| .....   | .....     | .....  | III   | 6.1    | IB3, T7, TP2, TP28        | 153   | 203   | 241   | 60 L        | 220 L       | A     | 40     |
| Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.              | 6.1       | UN3015 | I     | 6.1, 3 | T14, TP2, TP13, TP27      | None  | 201   | 243   | 1 L         | 30 L        | B     | 21, 40 |
| .....   | .....     | .....  | II    | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | 153   | 202   | 243   | 5 L         | 60 L        | B     | 21, 40 |
| .....   | .....     | .....  | III   | 6.1, 3 | B1, IB3, T7, TP2, TP28    | 153   | 203   | 242   | 60 L        | 220 L       | A     | 21, 40 |
| Bipyridilium pesticides, solid, toxic.  | 6.1       | UN2781 | I     | 6.1    | IB7, IP1, T6, TP33        | None  | 211   | 242   | 5 kg        | 50 kg       | A     | 40     |
| .....   | .....     | .....  | II    | 6.1    | IB8, IP2, IP4, T3, TP33   | 153   | 212   | 242   | 25 kg       | 100 kg      | A     | 40     |
| .....   | .....     | .....  | III   | 6.1    | IB8, IP3, T1, TP33        | 153   | 213   | 240   | 100 kg      | 200 kg      | A     | 40     |
| <i>Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s..</i>                                      | .....     | .....  | ..... | .....  | .....                     | ..... | ..... | ..... | .....       | .....       | ..... | .....  |
| Bisulfate, aqueous solution .....   | 8         | UN2837 | II    | 8      | A7, B2, IB2, N34, T7, TP2 | 154   | 202   | 242   | 1 L         | 30 L        | A     | .....  |
| .....   | .....     | .....  | III   | 8      | A7, IB3, N34, T4, TP1     | 154   | 203   | 241   | 5 L         | 60 L        | A     | .....  |
| Bisulfites, aqueous solutions, n.o.s..  | 8         | UN2693 | III   | 8      | IB3, T7, TP1, TP28        | 154   | 203   | 241   | 5 L         | 60 L        | A     | 40, 52 |
| Black powder, compressed or Gunpowder, compressed or Black powder, in pellets or Gunpowder, in pellets. | 1.1D      | UN0028 | II    | 1.1D   | .....                     | None  | 62    | None  | Forbidden   | Forbidden   | 10    | .....  |

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| Sym-bols<br>(1) | Hazardous materials descrip-tions and proper shipping names<br>(2)              | Hazard class or Di- vision<br>(3) | Identifica- tion Num- bers<br>(4) | PG<br>(5) | Label Codes<br>(6) | Special provi- sions (§ 172.102)<br>(7) | (8)                   |                   |              | (9)   |                               | (10)                |                |       |
|-----------------|---|-----------------------------------|-----------------------------------|-----------|--------------------|---|-----------------------|-------------------|--------------|---|-------------------------------|---------------------|----------------|-------|
|                 |   |                                   |                                   |           |                    |   | Packaging (§ 173.***) |                   |              | Quantity limitations (see §§ 173.27 and 175.75) |                               | Vessel stow- age    |                |       |
|                 |   |                                   |                                   |           |                    |   | Excep- tions<br>(8A)  | Non- bulk<br>(8B) | Bulk<br>(8C) | Passenger aircraft/rail<br>(9A)                 | Cargo air- craft only<br>(9B) | Loca- tion<br>(10A) | Other<br>(10B) |       |
| D               | Black powder or Gunpowder, granular or as a meal.                               | 1.1D                              | UN0027                            | II        | 1.1D ..            | 70                                      | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 10                  | .....          |       |
|                 | Black powder for small arms .....   | 4.1                               | NA0027                            | I         | 4.1 .....          |   | None ....             | 170 .....         | None ....    | Forbidden                                       | Forbidden                     | E                   | .....          |       |
|                 | Blasting agent, n.o.s., see Ex- plosives, blasting etc.                         | .....                             | .....                             | .....     | .....              |   | .....                 | .....             | .....        | .....   | .....                         | .....               | .....          | ..... |
|                 | Blasting cap assemblies, see Detonator assemblies, non- electric, for blasting. | .....                             | .....                             | .....     | .....              |   | .....                 | .....             | .....        | .....   | .....                         | .....               | .....          | ..... |
|                 | Blasting caps, electric, see Det- onators, electric for blasting.               | .....                             | .....                             | .....     | .....              |   | .....                 | .....             | .....        | .....   | .....                         | .....               | .....          | ..... |
|                 | Blasting caps, non-electric, see Detonators, non-electric, for blasting.        | .....                             | .....                             | .....     | .....              |   | .....                 | .....             | .....        | .....   | .....                         | .....               | .....          | ..... |
|                 | Bleaching powder, see Calcium hypochlorite mixtures, etc.                       | .....                             | .....                             | .....     | .....              |   | .....                 | .....             | .....        | .....   | .....                         | .....               | .....          | ..... |
| I               | Blue asbestos (Crocidolite) or Brown asbestos (amosite, mysorite).              | 9                                 | UN2212                            | II        | 9 .....            | 156, IB8, IP2, IP4, T3, TP33            | 155 .....             | 216 .....         | 240 .....    | Forbidden                                       | Forbidden                     | A                   | 34, 40         |       |
|                 | Bombs, photo-flash .....  | 1.1F                              | UN0037                            | II        | 1.1F ...           |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 08                  | .....          |       |
|                 | Bombs, photo-flash .....  | 1.1D                              | UN0038                            | II        | 1.1D ..            |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 03                  | .....          |       |
|                 | Bombs, photo-flash .....  | 1.2G                              | UN0039                            | II        | 1.2G ..            |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 03                  | .....          |       |
|                 | Bombs, photo-flash .....  | 1.3G                              | UN0299                            | II        | 1.3G ..            |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 03                  | .....          |       |
|                 | Bombs, smoke, non-explosive, with corrosive liquid, without initiating device.  | 8                                 | UN2028                            | II        | 8 .....            |   | None ....             | 160 .....         | None ....    | Forbidden                                       | 50 kg                         | E                   | 40             |       |
|                 | Bombs, with bursting charge .....   | 1.1F                              | UN0033                            | II        | 1.1F ...           |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 08                  | .....          |       |
|                 | Bombs, with bursting charge .....   | 1.1D                              | UN0034                            | II        | 1.1D ..            |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 03                  | .....          |       |
|                 | Bombs, with bursting charge .....   | 1.2D                              | UN0035                            | II        | 1.2D ..            |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 03                  | .....          |       |
|                 | Bombs, with bursting charge .....   | 1.2F                              | UN0291                            | II        | 1.2F ...           |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 08                  | .....          |       |
|                 | Bombs with flammable liquid, with bursting charge.                              | 1.1J                              | UN0399                            | II        | 1.1J ...           |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 04                  | 23E            |       |
|                 | Bombs with flammable liquid, with bursting charge.                              | 1.2J                              | UN0400                            | II        | 1.2J ...           |   | .....                 | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 04                  | 23E            |       |
|                 | Boosters with detonator .....   | 1.1B                              | UN0225                            | II        | 1.1B ...           |   | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 11                  | .....          |       |
|                 | Boosters with detonator .....   | 1.2B                              | UN0268                            | II        | 1.2B ...           |   | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 07                  | .....          |       |
|                 | Boosters, without detonator .....   | 1.1D                              | UN0042                            | II        | 1.1D ..            |   | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 07                  | .....          |       |
|                 | Boosters, without detonator .....   | 1.2D                              | UN0283                            | II        | 1.2D ..            |   | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 07                  | .....          |       |



|  |   |           |        |     |              |   |      |     |           |           |           |   |  |  |  |  |  |  |                        |
|--|---|-----------|--------|-----|--------------|---|------|-----|-----------|-----------|-----------|---|--|--|--|--|--|--|------------------------|
| <i>Borate and chlorate mixtures, see Chlorate and borate mixtures.</i> |   |           |        |     |              |   |      |     |           |           |           |   |  |  |  |  |  |  |                        |
|  | Borneol .....                                     | 4.1       | UN1312 | III | 4.1          | A1, IB8, IP3, T1, TP33                                      | None | 213 | 240       | 25 kg     | 100 kg    | A |  |  |  |  |  |  |                        |
| +  | Boron tribromide .....                            | 8         | UN2692 | I   | 8, 6.1       | 2, B9, B14, B32, B74, N34, T20, TP2, TP12, TP13, TP38, TP45 | None | 227 | 244       | Forbidden | Forbidden | C |  |  |  |  |  |  | 12                     |
|  | Boron trichloride .....                           | 2.3       | UN1741 |     | 2.3, 8       | 3, B9, B14  | None | 304 | 314       | Forbidden | Forbidden | D |  |  |  |  |  |  | 25, 40                 |
|  | Boron trifluoride .....                           | 2.3       | UN1008 |     | 2.3          | 2, B9, B14  | None | 302 | 314, 315. | Forbidden | Forbidden | D |  |  |  |  |  |  | 40                     |
|  | Boron trifluoride acetic acid complex, liquid.    | 8         | UN1742 | II  | 8            | B2, B6, IB2, T8, TP2, TP12                                  | 154  | 202 | 242       | 1 L       | 30 L      | A |  |  |  |  |  |  |                        |
|  | Boron trifluoride acetic acid complex, solid.     | 8         | UN3419 | II  | 8            | B2, B6, IB8, IP2, IP4, T3, TP33                             | 154  | 212 | 240       | 15 kg     | 50 kg     | A |  |  |  |  |  |  |                        |
|  | Boron trifluoride diethyl etherate                | 8         | UN2604 | I   | 8, 3         | A3, A19, T10, TP2   | None | 201 | 243       | 0.5 L     | 2.5 L     | D |  |  |  |  |  |  | 40                     |
|  | Boron trifluoride dihydrate .....                 | 8         | UN2851 | II  | 8            | IB2, T7, TP2  | 154  | 212 | 240       | 15 kg     | 50 kg     | B |  |  |  |  |  |  | 12, 40,                |
|  | Boron trifluoride dimethyl etherate.              | 4.3       | UN2965 | I   | 4.3, 8, 3.   | A19, T10, TP2, TP7  | None | 201 | 243       | Forbidden | 1 L       | D |  |  |  |  |  |  | 21, 28, 40, 49, 100    |
|  | Boron trifluoride propionic acid complex, liquid. | 8         | UN1743 | II  | 8            | B2, IB2, T8, TP2, TP12                                      | 154  | 202 | 242       | 1 L       | 30 L      | A |  |  |  |  |  |  |                        |
|  | Boron trifluoride propionic acid complex, solid.  | 8         | UN3420 | II  | 8            | B2, IB8, IP2, IP4, T3, TP33                                 | 154  | 212 | 240       | 15 kg     | 50 kg     | A |  |  |  |  |  |  |                        |
|  | <i>Box toe gum, see Nitrocellulose etc.</i>       |           |        |     |              |   |      |     |           |           |           |   |  |  |  |  |  |  |                        |
|  | Bromates, inorganic, aqueous solution, n.o.s..    | 5.1       | UN3213 | II  | 5.1          | IB2, T4, TP1  | 152  | 202 | 242       | 1 L       | 5 L       | B |  |  |  |  |  |  | 56, 58, 133            |
|  | .....   |           |        | III | 5.1          | IB2, T4, TP1  | 152  | 203 | 241       | 2.5 L     | 30 L      | B |  |  |  |  |  |  | 56, 58, 133            |
|  | Bromates, inorganic, n.o.s. ....                  | 5.1       | UN1450 | II  | 5.1          | IB8, IP2, IP4, T3, TP33                                     | 152  | 212 | 242       | 5 kg      | 25 kg     | A |  |  |  |  |  |  | 56, 58                 |
| +  | Bromine .....                                     | 8         | UN1744 | I   | 8, 6.1       | 1, B9, B64, B85, N34, N43, T22, TP2, TP10, TP12, TP13       | None | 226 | 249       | Forbidden | Forbidden | D |  |  |  |  |  |  | 12, 40, 66, 74, 89, 90 |
|  | <i>Bromine azide</i> .....                        | Forbidden |        |     |              |   |      |     |           |           |           |   |  |  |  |  |  |  |                        |
|  | Bromine chloride .....                            | 2.3       | UN2901 |     | 2.3, 8, 5.1. | 2, B9, B14, N86   | None | 304 | 314, 315. | Forbidden | Forbidden | D |  |  |  |  |  |  | 40, 89, 90             |
| +  | Bromine pentafluoride .....                       | 5.1       | UN1745 | I   | 5.1, 6.1, 8. | 1, B9, B14, B30, B72, T22, TP2, TP12, TP13, TP38, TP44      | None | 228 | 244       | Forbidden | Forbidden | D |  |  |  |  |  |  | 25, 40, 66, 90         |
| +  | Bromine solutions .....                           | 8         | UN1744 | I   | 8, 6.1       | 1, B9, B64, B85, N34, N43, T22, TP2, TP10, TP12, TP13       | None | 226 | 249       | Forbidden | Forbidden | D |  |  |  |  |  |  | 12, 40, 66, 74, 89, 90 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes  | Special provi- sions (§ 172.102)                       | (8)                   |           |           | (9)   |                       | (10)             |                        |
|----------|---|----------------------------|----------------------------|-----|--------------|--|-----------------------|-----------|-----------|---|-----------------------|------------------|------------------------|
|          |   |                            |                            |     |              |  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                        |
|          |   |                            |                            |     |              |  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                  |
| +        | Bromine solutions .....                                       | 8                          | UN1744                     | I   | 8, 6.1       | 2, B9, B64, B85, N34, N43, T22, TP2, TP10, TP12, TP13  | None ....             | 227 ..... | 249 ..... | Forbidden                                       | Forbidden             | D                | 12, 40, 66, 74, 89, 90 |
| +        | Bromine trifluoride .....                                     | 5.1                        | UN1746                     | I   | 5.1, 6.1, 8. | 2, B9, B14, B32, B74, T22, TP2, TP12, TP13, TP38, TP45 | None ....             | 228 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 25, 40, 66, 90         |
|          | <i>4-Bromo-1,2-dinitrobenzene</i> .....                       | Forbidden                  |                            |     |              |  |                       |           |           |   |                       |                  |                        |
|          | <i>4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C).</i> | Forbidden                  |                            |     |              |  |                       |           |           |   |                       |                  |                        |
|          | 1-Bromo-3-chloropropane .....                                 | 6.1                        | UN2688                     | III | 6.1 .....    | IB3, T4, TP1   | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                |                        |
|          | 1-Bromo-3-methylbutane .....                                  | 3                          | UN2341                     | III | 3 .....      | B1, IB3, T2, TP1                                       | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                |                        |
|          | <i>1-Bromo-3-nitrobenzene (unstable at 56 degrees C).</i>     | Forbidden                  |                            |     |              |  |                       |           |           |   |                       |                  |                        |
|          | 2-Bromo-2-nitropropane-1,3-diol                               | 4.1                        | UN3241                     | III | 4.1 .....    | 46, IB8, IP3   | 151 .....             | 213 ..... | None .... | 25 kg   | 50 kg                 | C                | 12, 25, 40             |
|          | Bromoacetic acid, solid .....                                 | 8                          | UN3425                     | II  | 8 .....      | A7, IB8, IP2, IP4, N34, T3, TP33                       | 154 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                 | A                |                        |
|          | Bromoacetic acid solution .....                               | 8                          | UN1938                     | II  | 8 .....      | A7, B2, IB2, T7, TP2                                   | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | A                | 40                     |
|          | .....   |                            |                            | III | 8 .....      | B2, IB3, T7, TP2                                       | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | 40                     |
| +        | Bromoacetone .....  | 6.1                        | UN1569                     | II  | 6.1, 3       | 2, T20, TP2, TP13                                      | None ....             | 193 ..... | 245 ..... | Forbidden                                       | Forbidden             | D                | 40                     |
|          | Bromoacetyl bromide .....                                     | 8                          | UN2513                     | II  | 8 .....      | B2, IB2, T8, TP2, TP12                                 | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | C                | 40, 53                 |
|          | Bromobenzene .....  | 3                          | UN2514                     | III | 3 .....      | B1, IB3, T2, TP1                                       | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                |                        |
|          | Bromobenzyl cyanides, liquid ....                             | 6.1                        | UN1694                     | I   | 6.1 .....    | T14, TP2, TP13   | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 30 L                  | D                | 12, 40, 52             |
|          | Bromobenzyl cyanides, solid ....                              | 6.1                        | UN3449                     | I   | 6.1 .....    | T6, TP33   | None ....             | 211 ..... | 242 ..... | 5 kg  | 50 kg                 | D                | 12, 40, 52             |
|          | 1-Bromobutane .....   | 3                          | UN1126                     | II  | 3 .....      | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | 40                     |
|          | 2-Bromobutane .....   | 3                          | UN2339                     | II  | 3 .....      | B1, IB2, T4, TP1                                       | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | 40                     |
|          | Bromochloromethane .....                                      | 6.1                        | UN1887                     | III | 6.1 .....    | IB3, T4, TP1   | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                |                        |
|          | 2-Bromoethyl ethyl ether .....                                | 3                          | UN2340                     | II  | 3 .....      | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | 40                     |
|          | Bromoform .....   | 6.1                        | UN2515                     | III | 6.1 .....    | IB3, T4, TP1   | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | 12, 40                 |
|          | Bromomethylpropanes .....                                     | 3                          | UN2342                     | II  | 3 .....      | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                |                        |
|          | 2-Bromopentane .....  | 3                          | UN2343                     | II  | 3 .....      | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                |                        |
|          | Bromopropanes .....   | 3                          | UN2344                     | II  | 3 .....      | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | 40                     |
|          | .....   |                            |                            | III | 3 .....      | IB3, T2, TP1   | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                |                        |
|          | 3-Bromopropyne .....  | 3                          | UN2345                     | II  | 3 .....      | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | D                | 40                     |

|  |           |        |              |  |  |      |           |           |           |           |    |                             |  |
|--|-----------|--------|--------------|--|--|------|-----------|-----------|-----------|-----------|----|-----------------------------|--|
| Bromosilane .....  | Forbidden |        |              |  |  |      |           |           |           |           |    |                             |  |
| Bromotoluene-alpha, see Benzyl bromide.  |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| Bromotrifluoroethylene .....   | 2.1       | UN2419 | 2.1          |  | None   | 304  | 314, 315. | Forbidden | 150 kg    | B         | 40 |                             |  |
| Bromotrifluoromethane or Refrigerant gas, R 13B1..   | 2.2       | UN1009 | 2.2          |  | T50  | 306  | 304       | 314, 315. | 75 kg     | 150 kg    | A  |                             |  |
| Brucine .....  | 6.1       | UN1570 | I 6.1        |  | IB7, IP1, T6, TP33                                     | None | 211       | 242       | 5 kg      | 50 kg     | A  |                             |  |
| Bursters, explosive .....  | 1.1D      | UN0043 | II 1.1D      |  |  | None | 62        | None      | Forbidden | Forbidden | 07 |                             |  |
| Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes.                    | 2.1       | UN1010 | 2.1          |  | T50  | 306  | 304       | 314, 315. | Forbidden | 150 kg    | B  | 40                          |  |
| Butane see also Petroleum gases, liquefied.  | 2.1       | UN1011 | 2.1          |  | 19, T50  | 306  | 304       | 314, 315. | Forbidden | 150 kg    | E  | 40                          |  |
| Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams, see Receptacles, etc. |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| Butanedione .....  | 3         | UN2346 | II 3         |  | IB2, T4, TP1   | 150  | 202       | 242       | 5 L       | 60 L      | B  |                             |  |
| 1,2,4-Butanetriol trinitrate .....   | Forbidden |        |              |  |  |      |           |           |           |           |    |                             |  |
| Butanols .....   | 3         | UN1120 | II 3         |  | IB2, T4, TP1, TP29                                     | 150  | 202       | 242       | 5 L       | 60 L      | B  |                             |  |
| tert-Butoxycarbonyl azide .....  | Forbidden |        | III 3        |  | B1, IB3, T2, TP1                                       | 150  | 203       | 242       | 60 L      | 220 L     | A  |                             |  |
| Butyl acetates .....   | 3         | UN1123 | II 3         |  | IB2, T4, TP1   | 150  | 202       | 242       | 5 L       | 60 L      | B  |                             |  |
| Butyl acid phosphate .....   | 8         | UN1718 | III 8        |  | B1, IB3, T2, TP1                                       | 150  | 203       | 242       | 60 L      | 220 L     | A  |                             |  |
| Butyl acrylates, stabilized .....  | 3         | UN2348 | III 3        |  | IB3, T4, TP1   | 154  | 203       | 241       | 5 L       | 60 L      | A  |                             |  |
| Butyl alcohols, see Butanols .....   |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| Butyl benzenes .....   | 3         | UN2709 | III 3        |  | B1, IB3, T2, TP1                                       | 150  | 203       | 242       | 60 L      | 220 L     | A  |                             |  |
| n-Butyl bromide, see 1-Bromobutane.  |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| n-Butyl chloride, see Chlorobutanes.   |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| D sec-Butyl chloroformate .....  | 6.1       | NA2742 | I 6.1, 3, 8. |  | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227       | 244       | Forbidden | Forbidden | A  | 12, 13, 22, 25, 40, 48, 100 |  |
| n-Butyl chloroformate .....  | 6.1       | UN2743 | I 6.1, 8, 3. |  | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45       | None | 227       | 244       | Forbidden | Forbidden | A  | 12, 13, 21, 25, 40, 100     |  |
| Butyl ethers, see Dibutyl ethers   |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| Butyl ethyl ether, see Ethyl butyl ether.  |           |        |              |  |  |      |           |           |           |           |    |                             |  |
| n-Butyl formate .....  | 3         | UN1128 | II 3         |  | IB2, T4, TP1   | 150  | 202       | 242       | 5 L       | 60 L      | B  |                             |  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descriptions and proper shipping names                  | Hazard class or Division | Identification Numbers | PG  | Label Codes | Special provisions (§ 172.102)                        | (8)                   |          |      | (9)   |                      | (10)           |                 |
|----------|---|--------------------------|------------------------|-----|-------------|---|-----------------------|----------|------|---|----------------------|----------------|-----------------|
|          |   |                          |                        |     |             |   | Packaging (§ 173.***) |          |      | Quantity limitations (see §§ 173.27 and 175.75) |                      | Vessel stowage |                 |
|          |   |                          |                        |     |             |   | Excep-tions           | Non-bulk | Bulk | Passenger aircraft/rail                         | Cargo air-craft only | Loca-tion      | Other           |
|          | <i>tert-Butyl hydroperoxide, with more than 90 percent with water.</i>      | Forbidden                |                        |     |             |   |                       |          |      |   |                      |                |                 |
|          | tert-Butyl hypochlorite .....   | 4.2                      | UN3255                 | I   | 4.2, 8      |   | None                  | 211      | 243  | Forbidden                                       | Forbidden            | D              |                 |
|          | N-n-Butyl imidazole .....   | 6.1                      | UN2690                 | II  | 6.1         | IB2, T7, TP2  | 153                   | 202      | 243  | 5 L   | 60 L                 | A              |                 |
|          | tert-Butyl isocyanate .....   | 6.1                      | UN2484                 | I   | 6.1, 3      | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44      | None                  | 226      | 244  | Forbidden                                       | Forbidden            | D              | 40              |
|          | n-Butyl isocyanate .....  | 6.1                      | UN2485                 | I   | 6.1, 3      | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None                  | 227      | 244  | Forbidden                                       | Forbidden            | D              | 40              |
|          | Butyl mercaptans .....  | 3                        | UN2347                 | II  | 3           | A3, A6, IB2, T4, TP1                                  | 150                   | 202      | 242  | 5 L   | 60 L                 | D              | 52, 95          |
|          | n-Butyl methacrylate, stabilized  | 3                        | UN2227                 | III | 3           | B1, IB3, T2, TP1                                      | 150                   | 203      | 242  | 60 L  | 220 L                | A              |                 |
|          | Butyl methyl ether .....  | 3                        | UN2350                 | II  | 3           | IB2, T4, TP1  | 150                   | 202      | 242  | 5 L   | 60 L                 | B              |                 |
|          | Butyl nitrites .....  | 3                        | UN2351                 | I   | 3           | T11, TP1, TP8, TP27                                   | 150                   | 201      | 243  | 1 L   | 30 L                 | E              | 40              |
|          | .....   |                          |                        | II  | 3           | IB2, T4, TP1  | 150                   | 202      | 242  | 5 L   | 60 L                 | B              | 40              |
|          | .....   |                          |                        | III | 3           | B1, IB3, T2, TP1                                      | 150                   | 203      | 242  | 60 L  | 220 L                | A              | 40              |
|          | <i>tert-Butyl peroxyacetate, with more than 76 percent in solution.</i>     | Forbidden                |                        |     |             |   |                       |          |      |   |                      |                |                 |
|          | <i>n-Butyl peroxydicarbonate, with more than 52 percent in solution.</i>    | Forbidden                |                        |     |             |   |                       |          |      |   |                      |                |                 |
|          | <i>tert-Butyl peroxyisobutyrate, with more than 77 percent in solution.</i> | Forbidden                |                        |     |             |   |                       |          |      |   |                      |                |                 |
|          | <i>Butyl phosphoric acid, see Butyl acid phosphate.</i>                     |                          |                        |     |             |   |                       |          |      |   |                      |                |                 |
|          | Butyl propionates .....   | 3                        | UN1914                 | III | 3           | B1, IB3, T2, TP1                                      | 150                   | 203      | 242  | 60 L  | 220 L                | A              |                 |
|          | 5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene.                        | 4.1                      | UN2956                 | III | 4.1         | 159   | None                  | 223      | None | Forbidden                                       | Forbidden            | D              | 12, 25, 48, 127 |
|          | Butyl vinyl ether, stabilized .....   | 3                        | UN2352                 | II  | 3           | IB2, T4, TP1  | 150                   | 202      | 242  | 5 L   | 60 L                 | B              | 40              |
|          | n-Butylamine .....  | 3                        | UN1125                 | II  | 3, 8        | IB2, T7, TP1  | 150                   | 202      | 242  | 1 L   | 5 L                  | B              | 40              |
|          | N-Butylaniline .....  | 6.1                      | UN2738                 | II  | 6.1         | IB2, T7, TP2  | 153                   | 202      | 243  | 5 L   | 60 L                 | A              | 74              |
|          | tert-Butylcyclohexylchloroformate.  | 6.1                      | UN2747                 | III | 6.1         | IB3, T4, TP1  | 153                   | 203      | 241  | 60 L  | 220 L                | A              | 12, 13, 25      |

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|--|-----|--------|-------|--------|-------|--|------|-------|-----|-------|-----------|-----------|--------|---|----------------------|
| Butylene see also Petroleum gases, liquefied.                          | 2.1 | UN1012 | ..... | 2.1    | ..... | 19, T50  | 306  | ..... | 304 | ..... | 314, 315. | Forbidden | 150 kg | E | 40                   |
| 1,2-Butylene oxide, stabilized   | 3   | UN3022 | II    | 3      | ..... | IB2, T4, TP1                                   | 150  | ..... | 202 | ..... | 242       | 5 L       | 60 L   | B | 27, 49               |
| Butyltoluenes  | 6.1 | UN2667 | III   | 6.1    | ..... | IB3, T4, TP1                                   | 153  | ..... | 203 | ..... | 241       | 60 L      | 220 L  | A | .....                |
| Butyltrichlorosilane   | 8   | UN1747 | II    | 8, 3   | ..... | A7, B2, B6, IB2, N34, T7, TP2, TP13            | None | ..... | 202 | ..... | 243       | Forbidden | 30 L   | C | 40                   |
| 1,4-Butynediol   | 6.1 | UN2716 | III   | 6.1    | ..... | A1, IB8, IP3, T1, TP33                         | None | ..... | 213 | ..... | 240       | 100 kg    | 200 kg | A | 52, 53, 70, 139, 140 |
| Butyraldehyde  | 3   | UN1129 | II    | 3      | ..... | IB2, T4, TP1                                   | 150  | ..... | 202 | ..... | 242       | 5 L       | 60 L   | B | .....                |
| Butyraldoxime  | 3   | UN2840 | III   | 3      | ..... | B1, IB3, T2, TP1                               | 150  | ..... | 203 | ..... | 242       | 60 L      | 220 L  | A | .....                |
| Butyric acid   | 8   | UN2820 | III   | 8      | ..... | IB3, T4, TP1                                   | 154  | ..... | 203 | ..... | 241       | 5 L       | 60 L   | A | 12                   |
| Butyric anhydride  | 8   | UN2739 | III   | 8      | ..... | IB3, T4, TP1                                   | 154  | ..... | 203 | ..... | 241       | 5 L       | 60 L   | A | .....                |
| Butyronitrile  | 3   | UN2411 | II    | 3, 6.1 | ..... | IB2, T7, TP1, TP13                             | 150  | ..... | 202 | ..... | 243       | 1 L       | 60 L   | E | 40                   |
| Butyryl chloride   | 3   | UN2353 | II    | 3, 8   | ..... | IB2, T8, TP2, TP12, TP13                       | 150  | ..... | 202 | ..... | 243       | 1 L       | 5 L    | C | 40                   |
| Cacodylic acid   | 6.1 | UN1572 | II    | 6.1    | ..... | IB8, IP2, IP4, T3, TP33                        | 153  | ..... | 212 | ..... | 242       | 25 kg     | 100 kg | E | 52                   |
| Cadmium compounds  | 6.1 | UN2570 | I     | 6.1    | ..... | IB7, IP1, T6, TP33                             | None | ..... | 211 | ..... | 242       | 5 kg      | 50 kg  | A | .....                |
|  |     |        | II    | 6.1    | ..... | IB8, IP2, IP4, T3, TP33                        | 153  | ..... | 212 | ..... | 242       | 25 kg     | 100 kg | A | .....                |
|  |     |        | III   | 6.1    | ..... | IB8, IP3, T1, TP33                             | 153  | ..... | 213 | ..... | 240       | 100 kg    | 200 kg | A | .....                |
| Caesium hydroxide  | 8   | UN2682 | II    | 8      | ..... | IB8, IP2, IP4, T3, TP33                        | 154  | ..... | 212 | ..... | 240       | 15 kg     | 50 kg  | A | 29, 52.              |
| Caesium hydroxide solution   | 8   | UN2681 | II    | 8      | ..... | B2, IB2, T7, TP2                               | 154  | ..... | 202 | ..... | 242       | 1 L       | 30 L   | A | 29, 52               |
|  |     |        | III   | 8      | ..... | IB3, T4, TP1                                   | 154  | ..... | 203 | ..... | 241       | 5 L       | 60 L   | A | 29, 52               |
| Calcium  | 4.3 | UN1401 | II    | 4.3    | ..... | IB7, IP2, T3, TP33                             | 151  | ..... | 212 | ..... | 241       | 15 kg     | 50kg   | E | 52                   |
| Calcium arsenate   | 6.1 | UN1573 | II    | 6.1    | ..... | IB8, IP2, IP4, T3, TP33                        | 153  | ..... | 212 | ..... | 242       | 25 kg     | 100 kg | A | .....                |
| Calcium arsenate and calcium arsenite, mixtures, solid.                | 6.1 | UN1574 | II    | 6.1    | ..... | IB8, IP2, IP4, T3, TP33                        | 153  | ..... | 212 | ..... | 242       | 25 kg     | 100 kg | A | .....                |
| Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.. |     |        |       |        |       |  |      |       |     |       |           |           |        |   |                      |
| Calcium carbide  | 4.3 | UN1402 | I     | 4.3    | ..... | A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33 | None | ..... | 211 | ..... | 242       | Forbidden | 15 kg  | B | 52                   |
|  |     |        | II    | 4.3    | ..... | A1, A8, B55, B59, IB7, IP2, N34, T3, TP33      | 151  | ..... | 212 | ..... | 241       | 15 kg     | 50 kg  | B | 52                   |
| Calcium chlorate   | 5.1 | UN1452 | II    | 5.1    | ..... | A9, IB8, IP2, IP4, N34, T3, TP33               | 152  | ..... | 212 | ..... | 242       | 5 kg      | 25 kg  | A | 56, 58               |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)               | (8)                   |           |            | (9)   |                       | (10)             |                                |
|----------|---|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|------------|---|-----------------------|------------------|--------------------------------|
|          |   |                            |                            |     |             |  | Packaging (§ 173.***) |           |            | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                                |
|          |   |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk       | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                          |
|          | Calcium chlorate aqueous solu- tion.  | 5.1                        | UN2429                     | II  | 5.1 .....   | A2, IB2, N41, T4, TP1                          | 152 .....             | 202 ..... | 242 .....  | 1 L   | 5 L                   | B                | 56, 58, 133                    |
|          |   |                            |                            |     |             |  | 152 .....             | 203 ..... | 241 .....  | 2.5 L   | 30 L                  | B                | 56, 68, 133                    |
|          | Calcium chlorite .....  | 5.1                        | UN1453                     | II  | 5.1 .....   | A9, IB8, IP2, IP4, N34, T3, TP33               | 152 .....             | 212 ..... | 242 .....  | 5 kg  | 25 kg                 | A                | 56, 58                         |
|          | Calcium cyanamide with more than 0.1 percent of calcium carbide.  | 4.3                        | UN1403                     | III | 4.3 .....   | A1, A19, IB8, IP4, T1, TP33                    | 151 .....             | 213 ..... | 241 .....  | 25 kg   | 100 kg                | A                | 52                             |
|          | Calcium cyanide .....   | 6.1                        | UN1575                     | I   | 6.1 .....   | IB7, IP1, N79, N80, T6, TP33                   | None .....            | 211 ..... | 242 .....  | 5 kg  | 50 kg                 | A                | 40, 52                         |
|          | Calcium dithionite or Calcium hydrosulfite.   | 4.2                        | UN1923                     | II  | 4.2 .....   | A19, A20, IB6, IP2, T3, TP33                   | None .....            | 212 ..... | 241 .....  | 15 kg   | 50 kg                 | E                | 13                             |
|          | Calcium hydride .....   | 4.3                        | UN1404                     | I   | 4.3 .....   | A19, N40                                       | None .....            | 211 ..... | 242 .....  | Forbidden                                       | 15 kg                 | E                | 52                             |
|          | Calcium hydrosulfite, see Cal- cium dithionite.   |                            |                            |     |             |  |                       |           |            |   |                       |                  |                                |
|          | Calcium hypochlorite, dry or Calcium hypochlorite mixtures dry with more than 39 percent available chlorine (8.8 percent available oxygen).     | 5.1                        | UN1748                     | II  | 5.1 .....   | 165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9 | 152 .....             | 212 ..... | None ..... | 5 kg  | 25 kg                 | D                | 4, 25, 48, 52, 56, 58, 69, 142 |
|          |   |                            |                            | III | 5.1 .....   | 165, 171, A7, A9, IB8, IP4, IP13, N34, W9      | 152 .....             | 213 ..... | 240 .....  | 25 kg   | 100 kg                | D                | 4, 25, 48, 52, 56, 58, 69, 142 |
|          | Calcium hypochlorite, hydrated or Calcium hypochlorite, hy- drated mixtures, with not less than 5.5 percent but not more than 16 percent water. | 5.1                        | UN2880                     | II  | 5.1 .....   | 165, IB8, IP2, IP4, IP13, W9                   | 152 .....             | 212 ..... | 240 .....  | 5 kg  | 25 kg                 | D                | 4, 25, 48, 52, 56, 58, 69, 142 |
|          | Calcium hypochlorite mixtures, dry, with more than 10 per- cent but not more than 39 percent available chlorine.                                | 5.1                        | UN2208                     | III | 5.1 .....   | 165, A1, A29, IB8, IP3, IP13, N34, W9          | 152 .....             | 213 ..... | 240 .....  | 25 kg   | 100 kg                | D                | 4, 25, 48, 52, 56, 58, 69, 142 |
|          | Calcium manganese silicon .....   | 4.3                        | UN2844                     | III | 4.3 .....   | A1, A19, IB8, IP2, IP4, T1, TP33               | 151 .....             | 213 ..... | 241 .....  | 25 kg   | 100 kg                | A                | 52, 85, 103                    |
|          | Calcium nitrate .....   | 5.1                        | UN1454                     | III | 5.1 .....   | 34, IB8, IP3, T1, TP33                         | 152 .....             | 213 ..... | 240 .....  | 25 kg   | 100 kg                | A                | .....                          |
| A        | Calcium oxide .....   | 8                          | UN1910                     | III | 8 .....     | IB8, IP3, T1, TP33                             | 154 .....             | 213 ..... | 240 .....  | 25 kg   | 100 kg                | A                | .....                          |

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|---|-----|--------|-----|---------------------|-----------------------------|------------|-----------|------------|-----------|-----------|---|----------------|
| Calcium perchlorate .....   | 5.1 | UN1455 | II  | 5.1 .....           | IB6, IP2, T3, TP33          | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A | 56, 58         |
| Calcium permanganate .....  | 5.1 | UN1456 | II  | 5.1 .....           | IB6, IP2, T3, TP33          | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | D | 56, 58, 138    |
| Calcium peroxide .....  | 5.1 | UN1457 | II  | 5.1 .....           | IB6, IP2, T3, TP33          | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A | 13, 52, 56, 75 |
| Calcium phosphide .....   | 4.3 | UN1360 | I   | 4.3, 6.1, 4.2 ..... | A8, A19, N40                | None ..... | 211 ..... | 242 .....  | Forbidden | 15 kg     | E | 40, 52, 85     |
| Calcium, pyrophoric or Calcium alloys, pyrophoric.                                      | 4.2 | UN1855 | I   | 4.2 .....           |                             | None ..... | 187 ..... | None ..... | Forbidden | Forbidden | D | .....          |
| Calcium resinate .....  | 4.1 | UN1313 | III | 4.1 .....           | A1, A19, IB6, T1, TP33      | None ..... | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A | .....          |
| Calcium resinate, fused .....   | 4.1 | UN1314 | III | 4.1 .....           | A1, A19, IB4, T1, TP33      | None ..... | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A | .....          |
| <i>Calcium selenate, see Selenates or Selenites.</i>                                    |     |        |     |                     |                             |            |           |            |           |           |   |                |
| Calcium silicide .....  | 4.3 | UN1405 | II  | 4.3 .....           | A19, IB7, IP2, T3, TP33     | 151 .....  | 212 ..... | 241 .....  | 15 kg     | 50 kg     | B | 52, 85, 103    |
| .....   |     |        | III | 4.3 .....           | A1, A19, IB8, IP4, T1, TP33 | 151 .....  | 213 ..... | 241 .....  | 25 kg     | 100 kg    | B | 52, 85, 103    |
| Camphor oil .....   | 3   | UN1130 | III | 3 .....             | B1, IB3, T2, TP1            | 150 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A | .....          |
| Camphor, synthetic .....  | 4.1 | UN2717 | III | 4.1 .....           | A1, IB8, IP3, T1, TP33      | None ..... | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A | .....          |
| <i>Cannon primers, see Primers, tubular.</i>  |     |        |     |                     |                             |            |           |            |           |           |   |                |
| Caproic acid .....  | 8   | UN2829 | III | 8 .....             | IB3, T4, TP1                | 154 .....  | 203 ..... | 241 .....  | 5 L       | 60 L      | A | .....          |
| <i>Caps, blasting, see Detonators, etc.</i>   |     |        |     |                     |                             |            |           |            |           |           |   |                |
| Carbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.     | 3   | UN2758 | I   | 3, 6.1              | T14, TP2, TP13, TP27        | None ..... | 201 ..... | 243 .....  | Forbidden | 30 L      | B | 40             |
| .....   |     |        | II  | 3, 6.1              | IB2, T11, TP2, TP13, TP27   | 150 .....  | 202 ..... | 243 .....  | 1 L       | 60 L      | B | 40             |
| Carbamate pesticides, liquid, toxic.  | 6.1 | UN2992 | I   | 6.1 .....           | T14, TP2, TP13, TP27        | None ..... | 201 ..... | 243 .....  | 1 L       | 30 L      | B | 40             |
| .....   |     |        | II  | 6.1 .....           | IB2, T11, TP2, TP13, TP27   | 153 .....  | 202 ..... | 243 .....  | 5 L       | 60 L      | B | 40             |
| .....   |     |        | III | 6.1 .....           | IB3, T7, TP2, TP28          | 153 .....  | 203 ..... | 241 .....  | 60 L      | 220 L     | A | 40             |
| Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN2991 | I   | 6.1, 3              | T14, TP2, TP13, TP27        | None ..... | 201 ..... | 243 .....  | 1 L       | 30 L      | B | 40             |
| .....   |     |        | II  | 6.1, 3              | IB2, T11, TP2, TP13, TP27   | 153 .....  | 202 ..... | 243 .....  | 5 L       | 60 L      | B | 40             |
| .....   |     |        | III | 6.1, 3              | B1, IB3, T7, TP2, TP28      | 153 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A | 40             |
| Carbamate pesticides, solid, toxic.   | 6.1 | UN2757 | I   | 6.1 .....           | IB7, IP1, T6, TP33          | None ..... | 211 ..... | 242 .....  | 5 kg      | 50 kg     | A | 40             |
| .....   |     |        | II  | 6.1 .....           | IB8, IP2, IP4, T3, TP33     | 153 .....  | 212 ..... | 242 .....  | 25 kg     | 100 kg    | A | 40             |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                     | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |                | (9)   |                       | (10)             |             |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|----------------|---|-----------------------|------------------|-------------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |                | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |             |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk           | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other       |
|          | .....   | .....                      | .....                      | III | 6.1         | IB8, IP3, T1, TP33               | 153                   | 213       | 240            | 100 kg  | 200 kg                | A                | 40          |
|          | <i>Carbolic acid, see</i> Phenol, solid or Phenol, molten.                      |                            |                            |     |             |                                  |                       |           |                |   |                       |                  |             |
|          | <i>Carbolic acid solutions, see</i> Phenol solutions.                           |                            |                            |     |             |                                  |                       |           |                |   |                       |                  |             |
| I        | Carbon, activated   | 4.2                        | UN1362                     | III | 4.2         | IB8, IP3, T1, TP33               | None                  | 213       | 241            | 0.5 kg  | 0.5 kg                | A                | 12          |
| I        | Carbon, <i>animal or vegetable ori- gin.</i>                                    | 4.2                        | UN1361                     | II  | 4.2         | IB6, T3, TP33                    | None                  | 212       | 242            | Forbidden                                       | Forbidden             | A                | 12          |
|          | .....   |                            |                            | III | 4.2         | IB8, IP3, T1, TP33               | None                  | 213       | 241            | Forbidden                                       | Forbidden             | A                | 12          |
|          | <i>Carbon bisulfide, see</i> Carbon di- sulfide.                                |                            |                            |     |             |                                  |                       |           |                |   |                       |                  |             |
|          | Carbon dioxide  | 2.2                        | UN1013                     |     | 2.2         |                                  | 306                   | 302, 304. | 302, 314, 315. | 75 kg   | 150 kg                | A                |             |
|          | Carbon dioxide, refrigerated liq- uid.  | 2.2                        | UN2187                     |     | 2.2         | T75, TP5                         | 306                   | 304       | 314, 315.      | 50 kg   | 500 kg                | B                |             |
| A W      | Carbon dioxide, solid or Dry ice  | 9                          | UN1845                     | III | None        |                                  | 217                   | 217       | 240            | 200 kg  | 200 kg                | C                | 40          |
|          | Carbon disulfide  | 3                          | UN1131                     | I   | 3, 6.1      | B16, T14, TP2, TP7, TP13         | None                  | 201       | 243            | Forbidden                                       | Forbidden             | D                | 18, 40, 115 |
|          | Carbon monoxide, compressed   | 2.3                        | UN1016                     |     | 2.3, 2.1.   | 4                                | None                  | 302       | 314, 315.      | Forbidden                                       | 25 kg                 | D                | 40          |
| D        | Carbon monoxide, refrigerated liquid ( <i>cryogenic liquid</i> ).               | 2.3                        | NA9202                     |     | 2.3, 2.1.   | 4, T75, TP5                      | None                  | 316       | 318            | Forbidden                                       | Forbidden             | D                |             |
|          | Carbon tetrabromide   | 6.1                        | UN2516                     | III | 6.1         | IB8, IP3, T1, TP33               | 153                   | 213       | 240            | 100 kg  | 200 kg                | A                | 25          |
|          | Carbon tetrachloride  | 6.1                        | UN1846                     | II  | 6.1         | IB2, N36, T7, TP2                | 153                   | 202       | 243            | 5 L   | 60 L                  | A                | 40          |
|          | <i>Carbonyl chloride, see</i> Phos- gene.                                       |                            |                            |     |             |                                  |                       |           |                |   |                       |                  |             |
|          | Carbonyl fluoride   | 2.3                        | UN2417                     |     | 2.3, 8      | 2                                | None                  | 302       | None           | Forbidden                                       | Forbidden             | D                | 40          |
|          | Carbonyl sulfide  | 2.3                        | UN2204                     |     | 2.3, 2.1.   | 3, B14                           | None                  | 304       | 314, 315.      | Forbidden                                       | Forbidden             | D                | 40          |
|          | <i>Cartridge cases, empty primed, see</i> Cases, cartridge, empty, with primer. |                            |                            |     |             |                                  |                       |           |                |   |                       |                  |             |



|  |      |        |    |          |      |    |      |           |           |           |    |
|--|------|--------|----|----------|------|----|------|-----------|-----------|-----------|----|
| Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device. |      |        |    |          |      |    |      |           |           |           |    |
| Cartridges, explosive, see Charges, demolition.  |      |        |    |          |      |    |      |           |           |           |    |
| Cartridges, flash  | 1.1G | UN0049 | II | 1.1G ..  | None | 62 | None | Forbidden | Forbidden | 07        |    |
| Cartridges, flash  | 1.3G | UN0050 | II | 1.3G ..  | None | 62 | None | Forbidden | 75 kg     | 07        |    |
| Cartridges for weapons, blank  | 1.1C | UN0326 | II | 1.1C ..  | None | 62 | None | Forbidden | Forbidden | 07        |    |
| Cartridges for weapons, blank  | 1.2C | UN0413 | II | 1.2C ..  | None | 62 | None | Forbidden | Forbidden | 07        |    |
| Cartridges for weapons, blank or Cartridges, small arms, blank.  | 1.4S | UN0014 | II | None     | 63   | 62 | None | 25 kg     | 100 kg    | 05        |    |
| Cartridges for weapons, blank or Cartridges, small arms, blank.  | 1.3C | UN0327 | II | 1.3C ..  | None | 62 | None | Forbidden | Forbidden | 07        |    |
| Cartridges for weapons, blank or Cartridges, small arms, blank.  | 1.4C | UN0338 | II | 1.4C ..  | None | 62 | None | Forbidden | 75 kg     | 06        |    |
| Cartridges for weapons, inert projectile.  | 1.2C | UN0328 | II | 1.2C ..  | None | 62 | None | Forbidden | Forbidden | 03        |    |
| Cartridges for weapons, inert projectile or Cartridges, small arms.  | 1.4S | UN0012 | II | None     | 63   | 62 | None | 25 kg     | 100 kg    | 05        |    |
| Cartridges for weapons, inert projectile or Cartridges, small arms.  | 1.4C | UN0339 | II | 1.4C ..  | None | 62 | None | Forbidden | 75 kg     | 06        |    |
| Cartridges for weapons, inert projectile or Cartridges, small arms.  | 1.3C | UN0417 | II | 1.3C ..  | None | 62 | None | Forbidden | Forbidden | 06        |    |
| Cartridges for weapons, with bursting charge.  | 1.1F | UN0005 | II | 1.1F ... | None | 62 | None | Forbidden | Forbidden | 08        |    |
| Cartridges for weapons, with bursting charge.  | 1.1E | UN0006 | II | 1.1E ... | None | 62 | None | Forbidden | Forbidden | 03        |    |
| Cartridges for weapons, with bursting charge.  | 1.2F | UN0007 | II | 1.2F ... | None | 62 | None | Forbidden | Forbidden | 08        |    |
| Cartridges for weapons, with bursting charge.  | 1.2E | UN0321 | II | 1.2E ... | None | 62 | None | Forbidden | Forbidden | 03        |    |
| Cartridges for weapons, with bursting charge.  | 1.4F | UN0348 | II | 1.4F ... | None | 62 | None | Forbidden | Forbidden | 08        |    |
| Cartridges for weapons, with bursting charge.  | 1.4E | UN0412 | II | 1.4E ... | None | 62 | None | Forbidden | 75 kg     | 02        |    |
| Cartridges, oil well   | 1.3C | UN0277 | II | 1.3C ..  | None | 62 | None | Forbidden | Forbidden | 07        |    |
| Cartridges, oil well   | 1.4C | UN0278 | II | 1.4C ..  | None | 62 | None | Forbidden | 75 kg     | 06        |    |
| Cartridges, power device   | 1.3C | UN0275 | II | 1.3C ..  | None | 62 | None | Forbidden | 75 kg     | 07        |    |
| Cartridges, power device   | 1.4C | UN0276 | II | 1.4C ..  | None | 62 | None | Forbidden | 75 kg     | 06        |    |
| Cartridges, power device   | 1.4S | UN0323 | II | 1.4S ... | 110  | 63 | 62   | None      | 25 kg     | 100 kg    | 05 |
| Cartridges, power device   | 1.2C | UN0381 | II | 1.2C ..  | 110  | 63 | 62   | None      | Forbidden | Forbidden | 07 |
| Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014).  |      |        |    |          |      |    |      |           |           |           |    |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |        |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|--------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
|          | <i>Cartridges, safety, see</i> Cartridges for weapons, inert projectile, or Cartridges, small arms or Cartridges, power device (UN 0323). |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |        |
|          | Cartridges, signal .....  | 1.3G                       | UN0054                     | II  | 1.3G ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 07               | .....  |
|          | Cartridges, signal .....  | 1.4G                       | UN0312                     | II  | 1.4G ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               | .....  |
|          | Cartridges, signal .....  | 1.4S                       | UN0405                     | II  | 1.4S ...    |                                  | None ....             | 62 .....  | None .... | 25 kg   | 100 kg                | 05               | .....  |
| D        | Cartridges, small arms .....  | ORM-D                      |                            |     | None        |                                  | 63 .....              | None .... | None .... | 30 kg gross                                     | 30 kg gross           | A                | .....  |
| D        | Cartridges power device (used to project fastening devices).  | ORM-D                      |                            |     | None        |                                  | 63 .....              | None .... | None .... | 30 kg gross                                     | 30 kg gross           | A                | .....  |
|          | <i>Cartridges, sporting, see</i> Cartridges for weapons, inert projectile, or Cartridges, small arms.                                     |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |        |
|          | <i>Cartridges, starter, jet engine, see</i> Cartridges, power device.   |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |        |
|          | Cases, cartridge, empty with primer.  | 1.4S                       | UN0055                     | II  | 1.4S ...    | 50                               | None ....             | 62 .....  | None .... | 25 kg   | 100 kg                | 05               | .....  |
|          | Cases, cartridges, empty with primer.   | 1.4C                       | UN0379                     | II  | 1.4C ..     | 50                               | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               | .....  |
|          | Cases, combustible, empty, without primer.  | 1.4C                       | UN0446                     | II  | 1.4C ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               | .....  |
|          | Cases, combustible, empty, without primer.  | 1.3C                       | UN0447                     | II  | 1.3C ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....  |
|          | <i>Casinghead gasoline see</i> Gasoline.  |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |        |
| A W      | Castor beans or Castor meal or Castor pomace or Castor flake.   | 9                          | UN2969                     | II  | None        | IB8, IP2, IP4, T3, TP33          | 155 .....             | 204 ..... | 240 ..... | No limit  | No limit              | E                | 34, 40 |
| G        | Caustic alkali liquids, n.o.s. ....   | 8                          | UN1719                     | II  | 8 .....     | B2, IB2, T11, TP2, TP27          | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | A                | 29, 52 |
|          | .....   |                            |                            | III | 8 .....     | IB3, T7, TP1, TP28               | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | 29, 52 |
|          | <i>Caustic potash, see</i> Potassium hydroxide etc.   |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |        |
|          | <i>Caustic soda, (etc.) see</i> Sodium hydroxide etc.   |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |        |
|          | Cells, containing sodium .....  | 4.3                        | UN3292                     | II  | 4.3 .....   |                                  | 189 .....             | 189 ..... | 189 ..... | 25 kg gross                                     | No limit              | A                | .....  |

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|---|------|--------|-----|-----------|-----------------------------|-----------|-----------|-----------|-----------|-----------|----|--------|
| Celluloid, <i>in block, rods, rolls, sheets, tubes, etc., except scrap.</i>                 | 4.1  | UN2000 | III | 4.1 ..... |                             | None .... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | .....  |
| Celluloid, scrap .....  | 4.2  | UN2002 | III | 4.2 ..... | IB8, IP3                    | None .... | 213 ..... | 241 ..... | Forbidden | Forbidden | D  | .....  |
| Cement, <i>see Adhesives containing flammable liquid.</i>                                   |      |        |     |           |                             |           |           |           |           |           |    |        |
| Cerium, <i>slabs, ingots, or rods ...</i>   | 4.1  | UN1333 | II  | 4.1 ..... | IB8, IP2, IP4, N34          | None .... | 212 ..... | 240 ..... | 15 kg     | 50 kg     | A  | 74, 91 |
| Cerium, <i>turnings or gritty powder.</i>   | 4.3  | UN3078 | II  | 4.3 ..... | A1, IB7, IP2, T3, TP33      | 151 ..... | 212 ..... | 242 ..... | 15 kg     | 50 kg     | E  | 52     |
| Cesium or Caesium .....   | 4.3  | UN1407 | I   | 4.3 ..... | A7, A19, IB4, IP1, N34, N40 | None .... | 211 ..... | 242 ..... | Forbidden | 15 kg     | D  | 52     |
| Cesium nitrate or Caesium nitrate.  | 5.1  | UN1451 | III | 5.1 ..... | A1, A29, IB8, IP3, T1, TP33 | 152 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | .....  |
| D Charcoal <i>briquettes, shell, screenings, wood, etc..</i>                                | 4.2  | NA1361 | III | 4.2 ..... | IB8, T1, TP33               | 151 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | 12     |
| Charges, <i>bursting, plastics bonded.</i>  | 1.1D | UN0457 | II  | 1.1D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>bursting, plastics bonded.</i>  | 1.2D | UN0458 | II  | 1.2D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>bursting, plastics bonded.</i>  | 1.4D | UN0459 | II  | 1.4D ..   |                             | None .... | 62 .....  | None .... | Forbidden | 75 kg     | 06 | .....  |
| Charges, <i>bursting, plastics bonded.</i>  | 1.4S | UN0460 | II  | 1.4S ...  |                             | None .... | 62 .....  | None .... | 25 kg     | 100 kg    | 05 | .....  |
| Charges, <i>demolition .....</i>  | 1.1D | UN0048 | II  | 1.1D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 03 | .....  |
| Charges, <i>depth .....</i>   | 1.1D | UN0056 | II  | 1.1D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 03 | .....  |
| Charges, <i>expelling, explosive, for fire extinguishers, see Cartridges, power device.</i> |      |        |     |           |                             |           |           |           |           |           |    |        |
| Charges, <i>explosive, commercial without detonator.</i>                                    | 1.1D | UN0442 | II  | 1.1D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>explosive, commercial without detonator.</i>                                    | 1.2D | UN0443 | II  | 1.2D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>explosive, commercial without detonator.</i>                                    | 1.4D | UN0444 | II  | 1.4D ..   |                             | None .... | 62 .....  | None .... | Forbidden | 75 kg     | 06 | .....  |
| Charges, <i>explosive, commercial without detonator.</i>                                    | 1.4S | UN0445 | II  | 1.4S ...  |                             | None .... | 62 .....  | None .... | 25 kg     | 100 kg    | 05 | .....  |
| Charges, <i>propelling .....</i>  | 1.1C | UN0271 | II  | 1.1C ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>propelling .....</i>  | 1.3C | UN0272 | II  | 1.3C ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>propelling .....</i>  | 1.2C | UN0415 | II  | 1.2C ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>propelling .....</i>  | 1.4C | UN0491 | II  | 1.4C ..   |                             | None .... | 62 .....  | None .... | Forbidden | 75 kg     | 06 | .....  |
| Charges, <i>propelling, for cannon</i>  | 1.3C | UN0242 | II  | 1.3C ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | .....  |
| Charges, <i>propelling, for cannon</i>  | 1.1C | UN0279 | II  | 1.1C ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | .....  |
| Charges, <i>propelling, for cannon</i>  | 1.2C | UN0414 | II  | 1.2C ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | .....  |
| Charges, <i>shaped, flexible, linear</i>  | 1.4D | UN0237 | II  | 1.4D ..   |                             | None .... | 62 .....  | None .... | Forbidden | 75 kg     | 06 | .....  |
| Charges, <i>shaped, flexible, linear</i>  | 1.1D | UN0288 | II  | 1.1D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>shaped, without detonator.</i>  | 1.1D | UN0059 | II  | 1.1D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |
| Charges, <i>shaped, without detonator.</i>  | 1.2D | UN0439 | II  | 1.2D ..   |                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 07 | .....  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols   | Hazardous materials descriptions and proper shipping names                        | Hazard class or Division | Identification Numbers | PG    | Label Codes | Special provisions (§ 172.102)   | (8)                   |           |           | (9)   |                     | (10)           |             |
|--|---|--------------------------|------------------------|-------|-------------|----------------------------------|-----------------------|-----------|-----------|---|---------------------|----------------|-------------|
|  |   |                          |                        |       |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                     | Vessel stowage |             |
|  |   |                          |                        |       |             |                                  | Excep-tions           | Non-bulk  | Bulk      | Passenger aircraft/rail                         | Cargo aircraft only | Loca-tion      | Other       |
|  | Charges, shaped, <i>without deto-nator</i> .                                      | 1.4D                     | UN0440                 | II    | 1.4D ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg               | 06             | .....       |
|  | Charges, shaped, <i>without deto-nator</i> .                                      | 1.4S                     | UN0441                 | II    | 1.4S ...    |                                  | None ....             | 62 .....  | None .... | 25 kg   | 100 kg              | 05             | .....       |
|  | Charges, supplementary explo-sive.  | 1.1D                     | UN0060                 | II    | 1.1D ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden           | 10             | .....       |
| D  | Chemical kit .....  | 8                        | NA1760                 | II    | 8 .....     |                                  | 154 .....             | 161 ..... | None .... | 1 L   | 30 L                | B              | 40          |
|  | Chemical kits .....   | 9                        | UN3316                 | ..... | 9 .....     | 15                               | 161 .....             | 161 ..... | None .... | 10 kg   | 10 kg               | A              | .....       |
|  | Chloral, anhydrous, stabilized ....   | 6.1                      | UN2075                 | II    | 6.1 .....   | IB2, T7, TP2                     | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                | D              | 40          |
|  | Chlorate and borate mixtures ....   | 5.1                      | UN1458                 | II    | 5.1 .....   | A9, IB8, IP2, IP4, N34, T3, TP33 | 152 .....             | 212 ..... | 240 ..... | 5 kg  | 25 kg               | A              | 56, 58      |
|  | .....   | .....                    | .....                  | ..... | .....       | A9, IB8, IP3, N34, T1, TP33      | 152 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg              | A              | 56, 58      |
|  | Chlorate and magnesium chlo-ride mixture solid.                                   | 5.1                      | UN1459                 | II    | 5.1 .....   | A9, IB8, IP2, IP4, N34, T3, TP33 | 152 .....             | 212 ..... | 240 ..... | 5 kg  | 25 kg               | A              | 56, 58      |
|  | .....   | .....                    | .....                  | ..... | .....       | A9, IB8, IP3, N34, T1, TP33      | 152 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg              | A              | 56, 58      |
|  | Chlorate and magnesium chlo-ride mixture solution.                                | 5.1                      | UN3407                 | II    | 5.1 .....   | A9, IB2, N34, T4, TP1            | 152 .....             | 202 ..... | 242 ..... | 1 L   | 5 L                 | A              | 56, 58, 133 |
|  | .....   | .....                    | .....                  | ..... | .....       | A9, IB2, N34, T4, TP1            | 152 .....             | 203 ..... | 241 ..... | 2.5 L   | 30 L                | A              | 56, 58, 133 |
|  | <i>Chlorate of potash, see Potas-sium chlorate.</i>                               | .....                    | .....                  | ..... | .....       | .....                            | .....                 | .....     | .....     | .....   | .....               | .....          | .....       |
|  | <i>Chlorate of soda, see Sodium chlorate.</i>                                     | .....                    | .....                  | ..... | .....       | .....                            | .....                 | .....     | .....     | .....   | .....               | .....          | .....       |
|  | Chlorates, inorganic, aqueous solution, n.o.s..                                   | 5.1                      | UN3210                 | II    | 5.1 .....   | IB2, T4, TP1                     | 152 .....             | 202 ..... | 242 ..... | 1 L   | 5 L                 | B              | 56, 58, 133 |
|  | .....   | .....                    | .....                  | ..... | .....       | IB2, T4, TP1                     | 152 .....             | 203 ..... | 241 ..... | 2.5 L   | 30 L                | B              | 56, 58, 133 |
|  | Chlorates, inorganic, n.o.s. ....   | 5.1                      | UN1461                 | II    | 5.1 .....   | A9, IB6, IP2, N34, T3, TP33      | 152 .....             | 212 ..... | 242 ..... | 5 kg  | 25 kg               | A              | 56, 58      |
|  | Chloric acid aqueous solution, <i>with not more than 10 percent chloric acid.</i> | 5.1                      | UN2626                 | II    | 5.1 .....   | IB2, T4, TP1                     | None ....             | 229 ..... | None .... | Forbidden                                       | Forbidden           | D              | 56, 58      |
| <i>Chloride of phosphorus, see Phosphorus trichloride.</i>       | .....   | .....                    | .....                  | ..... | .....       | .....                            | .....                 | .....     | .....     | .....   | .....               | .....          |             |
| <i>Chloride of sulfur, see Sulfur chloride.</i>                  | .....   | .....                    | .....                  | ..... | .....       | .....                            | .....                 | .....     | .....     | .....   | .....               | .....          |             |
| <i>Chlorinated lime, see Calcium hypochlorite mixtures, etc.</i> | .....   | .....                    | .....                  | ..... | .....       | .....                            | .....                 | .....     | .....     | .....   | .....               | .....          |             |

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|  |           |        |       |              |   |           |           |           |           |           |   |                            |
|--|-----------|--------|-------|--------------|---|-----------|-----------|-----------|-----------|-----------|---|----------------------------|
| Chlorine .....   | 2.3       | UN1017 | ..... | 2.3, 8       | 2, B9, B14, N86, T50, TP19                                      | None .... | 304 ..... | 314, 315. | Forbidden | Forbidden | D | 40, 51, 55, 62, 68, 89, 90 |
| <i>Chlorine azide</i> .....                                  | Forbidden |        |       |              |   |           |           |           |           |           |   |                            |
| Chlorine dioxide, hydrate, frozen                            | 5.1       | NA9191 | II    | 5.1, 6.1.    |   | None .... | 229 ..... | None .... | Forbidden | Forbidden | E | .....                      |
| <i>Chlorine dioxide (not hydrate)</i> ...                    | Forbidden |        |       |              |   |           |           |           |           |           |   |                            |
| Chlorine pentafluoride .....                                 | 2.3       | UN2548 | ..... | 2.3, 5.1, 8. | 1, B7, B9, B14, N86   | None .... | 304 ..... | 314 ..... | Forbidden | Forbidden | D | 40, 89, 90                 |
| Chlorine trifluoride .....                                   | 2.3       | UN1749 | ..... | 2.3, 5.1, 8. | 2, B7, B9, B14, N86   | None .... | 304 ..... | 314 ..... | Forbidden | Forbidden | D | 40, 89, 90                 |
| Chlorite solution .....                                      | 8         | UN1908 | II    | 8            | A3, A6, A7, B2, IB2, N34, T7, TP2, TP24                         | 154 ..... | 202 ..... | 242 ..... | 1 L       | 30 L      | B | 26, 44, 89, 100, 141       |
| .....  |           |        | III   | 8            | A3, A6, A7, B2, IB3, N34, T4, TP2, TP24                         | 154 ..... | 203 ..... | 241 ..... | 5 L       | 60 L      | B | 26, 44, 89, 100, 141       |
| Chlorites, inorganic, n.o.s. ....                            | 5.1       | UN1462 | II    | 5.1          | A7, IB6, IP2, N34, T3, TP33                                     | 152 ..... | 212 ..... | 242 ..... | 5 kg      | 25 kg     | A | 56, 58                     |
| 1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b.       | 2.1       | UN2517 | ..... | 2.1          | T50   | 306 ..... | 304 ..... | 314, 315. | Forbidden | 150 kg    | B | 40                         |
| 3-Chloro-4-methylphenyl isocyanate, liquid.                  | 6.1       | UN2236 | II    | 6.1          | IB2   | 153 ..... | 202 ..... | 243 ..... | 5 L       | 60 L      | B | 40                         |
| 3-Chloro-4-methylphenyl isocyanate, solid.                   | 6.1       | UN3428 | II    | 6.1          | IB8, IP2, IP4, T3, TP33   | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | B | 40                         |
| 1-Chloro-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124. | 2.2       | UN1021 | ..... | 2.2          | T50   | 306 ..... | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A | .....                      |
| 4-Chloro-o-toluidine hydrochloride, solid.                   | 6.1       | UN1579 | III   | 6.1          | IB8, IP3, T1, TP33  | 153 ..... | 213 ..... | 240 ..... | 100 kg    | 200 kg    | A | .....                      |
| 4-Chloro-o-toluidine hydrochloride, solution.                | 6.1       | UN3410 | III   | 6.1          | IB3, T4, TP1  | 153 ..... | 203 ..... | 241 ..... | 60 L      | 220 L     | A | .....                      |
| 1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a.    | 2.2       | UN1983 | ..... | 2.2          | T50   | 306 ..... | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A | .....                      |
| Chloroacetic acid, molten .....                              | 6.1       | UN3250 | II    | 6.1, 8       | IB1, T7, TP3, TP28  | None .... | 202 ..... | 243 ..... | Forbidden | Forbidden | C | 40                         |
| Chloroacetic acid, solid .....                               | 6.1       | UN1751 | II    | 6.1, 8       | A3, A7, IB8, IP4, N34, T3, TP33                                 | 153 ..... | 212 ..... | 242 ..... | 15 kg     | 50 kg     | A | 40                         |
| Chloroacetic acid, solution .....                            | 6.1       | UN1750 | II    | 6.1, 8       | A7, IB2, N34, T7, TP2   | 153 ..... | 202 ..... | 243 ..... | 1 L       | 30 L      | C | 40                         |
| Chloroacetone, stabilized .....                              | 6.1       | UN1695 | I     | 6.1, 3, 8.   | 2, B9, B14, B32, B74, N12, N32, N34, T20, TP2, TP13, TP38, TP45 | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 21, 40, 100                |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)  | (8)                   |           |           | (9)   |                       | (10)             |            |
|----------|---|----------------------------|----------------------------|-----|-------------|---|-----------------------|-----------|-----------|---|-----------------------|------------------|------------|
|          |   |                            |                            |     |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |            |
|          |   |                            |                            |     |             |   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other      |
| +        | Chloroacetone ( <i>unstabilized</i> ) .....   | Forbidden                  |                            |     |             |   |                       |           |           |   |                       |                  |            |
|          | Chloroacetonitrile .....  | 6.1                        | UN2668                     | II  | 6.1, 3      | 2, B9, B14, B32, B74, IB9, T20, TP2, TP38, TP45                         | None                  | 227       | 244       | Forbidden                                       | Forbidden             | A                | 12, 40, 52 |
|          | Chloroacetophenone, liquid, (CN).   | 6.1                        | UN3416                     | II  | 6.1         | A3, IB2, N12, N32, N33, T7, TP2, TP13                                   | None                  | 202       | 243       | Forbidden                                       | 60 L                  | D                | 12, 40     |
|          | Chloroacetophenone, solid, (CN)   | 6.1                        | UN1697                     | II  | 6.1         | A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33              | None                  | 212       | None      | Forbidden                                       | 100 kg                | D                | 12, 40     |
|          | Chloroacetyl chloride .....   | 6.1                        | UN1752                     | I   | 6.1, 8      | 2, B3, B8, B9, B14, B32, B74, B77, N34, N43, T20, TP2, TP13, TP38, TP45 | None                  | 227       | 244       | Forbidden                                       | Forbidden             | D                | 40         |
|          | Chloroanilines, liquid .....  | 6.1                        | UN2019                     | II  | 6.1         | IB2, T7, TP2  | 153                   | 202       | 243       | 5 L   | 60 L                  | A                | 52         |
|          | Chloroanilines, solid .....   | 6.1                        | UN2018                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33   | 153                   | 212       | 242       | 25 kg   | 100 kg                | A                |            |
|          | Chloroanisidines .....  | 6.1                        | UN2233                     | III | 6.1         | IB8, IP3, T1, TP33  | 153                   | 213       | 240       | 100 kg  | 200 kg                | A                |            |
|          | Chlorobenzene .....   | 3                          | UN1134                     | III | 3           | B1, IB3, T2, TP1  | 150                   | 203       | 242       | 60 L  | 220 L                 | A                |            |
|          | <i>Chlorobenzol</i> , see Chloro- benzene.  |                            |                            |     |             |   |                       |           |           |   |                       |                  |            |
|          | Chlorobenzotrifluorides .....   | 3                          | UN2234                     | III | 3           | B1, IB3, T2, TP1  | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | 40         |
|          | Chlorobenzyl chlorides, liquid ....   | 6.1                        | UN2235                     | III | 6.1         | IB3, T4, TP1  | 153                   | 203       | 241       | 60 L  | 220 L                 | A                |            |
|          | Chlorobenzyl chlorides, solid .....   | 6.1                        | UN3427                     | III | 6.1         | IB8, IP3, T1, TP33  | 153                   | 213       | 240       | 100 kg  | 200 kg                | A                |            |
|          | Chlorobutanes .....   | 3                          | UN1127                     | II  | 3           | IB2, T4, TP1  | 150                   | 202       | 242       | 5 L   | 60 L                  | B                |            |
|          | Chlorocresols solution .....  | 6.1                        | UN2669                     | II  | 6.1         | IB2, T7, TP2  | 153                   | 202       | 243       | 5 L   | 60 L                  | A                | 12         |
|          | .....   |                            |                            |     |             |   |                       |           |           | 60 L  | 220 L                 | A                | 12         |
|          | Chlorocresols, solid .....  | 6.1                        | UN3437                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33   | 153                   | 212       | 242       | 25 kg   | 100 kg                | A                | 12         |
|          | Chlorodifluorobromomethane or Refrigerant gas R 12B1.   | 2.2                        | UN1974                     |     | 2.2         | T50   | 306                   | 304       | 314, 315. | 75 kg   | 150 kg                | A                |            |
|          | Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane. | 2.2                        | UN1973                     |     | 2.2         | T50   | 306                   | 304       | 314, 315. | 75 kg   | 150 kg                | A                |            |

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|---|-----|--------|-------|------------|-------|---|------|-------|-----|-------|-----------|-----------|-----------|---|-------------------------|
| Chlorodifluoromethane or Refrigerant gas R 22.            | 2.2 | UN1018 | ..... | 2.2        | ..... | T50   | 306  | ..... | 304 | ..... | 314, 315. | 75 kg     | 150 kg    | A | .....                   |
| + Chlorodinitrobenzenes, liquid                           | 6.1 | UN1577 | II    | 6.1        | ..... | IB2, T7, TP2  | 153  | ..... | 202 | ..... | 243       | 5 L       | 60 L      | B | 91                      |
| + Chlorodinitrobenzenes, solid                            | 6.1 | UN3441 | II    | 6.1        | ..... | IB8, IP2, IP4, T3, TP33                                   | 153  | ..... | 212 | ..... | 242       | 25 kg     | 100 kg    | A | 91                      |
| 2-Chloroethanol   | 6.1 | UN2232 | I     | 6.1        | ..... | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45          | None | ..... | 227 | ..... | 244       | Forbidden | Forbidden | D | 40                      |
| Chloroform  | 6.1 | UN1888 | III   | 6.1        | ..... | IB3, N36, T7, TP2   | 153  | ..... | 203 | ..... | 241       | 60 L      | 220 L     | A | 40                      |
| G Chloroformates, toxic, corrosive, flammable, n.o.s..    | 6.1 | UN2742 | II    | 6.1, 8, 3. | ..... | 5, IB1, T7, TP2   | 153  | ..... | 202 | ..... | 243       | 1 L       | 30 L      | A | 12, 13, 21, 25, 40, 100 |
| G Chloroformates, toxic, corrosive, n.o.s..               | 6.1 | UN3277 | II    | 6.1, 8     | ..... | IB2, T8, TP2, TP13, TP28                                  | 153  | ..... | 202 | ..... | 243       | 1 L       | 30 L      | A | 12, 13, 25, 40          |
| Chloromethyl chloroformate                                | 6.1 | UN2745 | II    | 6.1, 8     | ..... | IB2, T7, TP2, TP13  | 153  | ..... | 202 | ..... | 243       | 1 L       | 30 L      | A | 12, 13, 21, 25, 40, 100 |
| Chloromethyl ethyl ether                                  | 3   | UN2354 | II    | 3, 6.1     | ..... | IB2, T7, TP1, TP13  | 150  | ..... | 202 | ..... | 243       | 1 L       | 60 L      | E | 40                      |
| Chloronitroanilines                                       | 6.1 | UN2237 | III   | 6.1        | ..... | IB8, IP3, T1, TP33  | 153  | ..... | 213 | ..... | 240       | 100 kg    | 200 kg    | A | .....                   |
| + Chloronitrobenzene, liquid <i>ortho</i>                 | 6.1 | UN3409 | II    | 6.1        | ..... | IB2, T7, TP2  | 153  | ..... | 202 | ..... | 243       | 5 L       | 60 L      | A | .....                   |
| + Chloronitrobenzenes, solid <i>meta</i> or <i>para</i> . | 6.1 | UN1578 | II    | 6.1        | ..... | IB8, IP2, IP4, T3, TP33                                   | 153  | ..... | 212 | ..... | 242       | 25 kg     | 100 kg    | A | .....                   |
| Chloronitrotoluenes, liquid                               | 6.1 | UN2433 | III   | 6.1        | ..... | IB3, T4, TP1  | 153  | ..... | 203 | ..... | 241       | 60 L      | 220 L     | A | 44, 89, 100, 141        |
| Chloronitrotoluenes, solid                                | 6.1 | UN3457 | III   | 6.1        | ..... | IB8, IP3, T1, TP33  | 153  | ..... | 213 | ..... | 240       | 25 kg     | 200 kg    | A | .....                   |
| Chloropentafluoroethane or Refrigerant gas R 115.         | 2.2 | UN1020 | ..... | 2.2        | ..... | T50   | 306  | ..... | 304 | ..... | 314, 315. | 75 kg     | 150 kg    | A | .....                   |
| Chlorophenolates, liquid or Phenolates, liquid.           | 8   | UN2904 | III   | 8          | ..... | IB3   | 154  | ..... | 203 | ..... | 241       | 5 L       | 60 L      | A | .....                   |
| Chlorophenolates, solid or Phenolates, solid.             | 8   | UN2905 | III   | 8          | ..... | IB8, IP3, T1, TP33  | 154  | ..... | 213 | ..... | 240       | 25 kg     | 100 kg    | A | .....                   |
| Chlorophenols, liquid                                     | 6.1 | UN2021 | III   | 6.1        | ..... | IB3, T4, TP1  | 153  | ..... | 203 | ..... | 241       | 60 L      | 220 L     | A | .....                   |
| Chlorophenols, solid                                      | 6.1 | UN2020 | III   | 6.1        | ..... | IB8, IP3, T1, TP1, TP33                                   | 153  | ..... | 213 | ..... | 240       | 100 kg    | 200 kg    | A | .....                   |
| Chlorophenyltrichlorosilane                               | 8   | UN1753 | II    | 8          | ..... | A7, B2, B6, IB2, N34, T7, TP2                             | None | ..... | 202 | ..... | 242       | Forbidden | 30 L      | C | 40                      |
| + Chloropicrin  | 6.1 | UN1580 | I     | 6.1        | ..... | 2, B7, B9, B14, B32, B46, B74, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244       | Forbidden | Forbidden | D | 40                      |
| Chloropicrin and methyl bromide mixtures.                 | 2.3 | UN1581 | ..... | 2.3        | ..... | 2, B9, B14, N86, T50                                      | None | ..... | 193 | ..... | 314, 315. | Forbidden | Forbidden | D | 25, 40                  |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                       | (8)                   |           |      | (9)   |                       | (10)             |                     |
|----------|---|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|------|---|-----------------------|------------------|---------------------|
|          |   |                            |                            |     |             |  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                     |
|          |   |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other               |
| (1)      | (2)   | (3)                        | (4)                        | (5) | (6)         | (7)  | (8A)                  | (8B)      | (8C) | (9A)  | (9B)                  | (10A)            | (10B)               |
|          | <i>Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc.</i> |                            |                            |     |             |  |                       |           |      |   |                       |                  |                     |
|          | Chloropicrin mixtures, n.o.s. ....  | 6.1                        | UN1583                     | I   | 6.1         | 5  | None                  | 201       | 243  | Forbidden                                       | Forbidden             | C                | 40                  |
|          |   |                            |                            | II  | 6.1         | IB2  | 153                   | 202       | 243  | Forbidden                                       | Forbidden             | C                | 40                  |
|          |   |                            |                            | III | 6.1         | IB3  | 153                   | 203       | 241  | Forbidden                                       | Forbidden             | C                | 40                  |
| D        | Chloropivaloyl chloride .....   | 6.1                        | NA9263                     | I   | 6.1, 8      | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None                  | 227       | 244  | Forbidden                                       | Forbidden             | B                | 40                  |
|          | Chloroplatinic acid, solid .....  | 8                          | UN2507                     | III | 8           | IB8, IP3, T1, TP33                                     | 154                   | 213       | 240  | 25 kg   | 100 kg                | A                |                     |
|          | Chloroprene, stabilized .....   | 3                          | UN1991                     | I   | 3, 6.1      | B57, T14, TP2, TP13                                    | None                  | 201       | 243  | Forbidden                                       | 30 L                  | D                | 40                  |
|          | <i>Chloroprene, uninhibited</i> .....   | Forbidden                  |                            |     |             |  |                       |           |      |   |                       |                  |                     |
|          | 1-Chloropropane .....   | 3                          | UN1278                     | II  | 3           | IB2, IP8, N34, T7, TP2                                 | None                  | 202       | 242  | Forbidden                                       | 60 L                  | E                |                     |
|          | 2-Chloropropane .....   | 3                          | UN2356                     | I   | 3           | N36, T11, TP2, TP13                                    | 150                   | 201       | 243  | 1 L   | 30 L                  | E                |                     |
|          | 3-Chloropropanol-1 .....  | 6.1                        | UN2849                     | III | 6.1         | IB3, T4, TP1   | 153                   | 203       | 241  | 60 L  | 220 L                 | A                |                     |
|          | 2-Chloropropene .....   | 3                          | UN2456                     | I   | 3           | A3, N36, T11, TP2                                      | 150                   | 201       | 243  | 1 L   | 30 L                  | E                |                     |
|          | 2-Chloropropionic acid .....  | 8                          | UN2511                     | III | 8           | IB3, T4, TP2   | 154                   | 203       | 241  | 5 L   | 60 L                  | A                | 8                   |
|          | 2-Chloropyridine .....  | 6.1                        | UN2822                     | II  | 6.1         | IB2, T7, TP2   | 153                   | 202       | 243  | 5 L   | 60 L                  | A                | 40                  |
|          | Chlorosilanes, corrosive, n.o.s. ...  | 8                          | UN2987                     | II  | 8           | B2, IB2, T14, TP2, TP27                                | None                  | 202       | 242  | 1 L   | 30 L                  | C                | 40.                 |
|          | Chlorosilanes, flammable, corro- sive, n.o.s.   | 3                          | UN2985                     | II  | 3, 8        | IB1, T11, TP2, TP13, TP27                              | None                  | 201       | 243  | 1 L   | 5 L                   | B                | 40.                 |
|          | Chlorosilanes, toxic, corrosive, n.o.s.   | 6.1                        | UN3361                     | II  | 6.1, 8      | IB1, T11, TP2, TP13                                    | None                  | 202       | 243  | 1 L   | 30 L                  | C                | 40.                 |
|          | Chlorosilanes, toxic, corrosive, flammable, n.o.s.  | 6.1                        | UN3362                     | II  | 6.1, 3, 8.  | IB1, T11, TP2, TP13                                    | None                  | 202       | 243  | 1 L   | 30 L                  | C                | 40, 125.            |
|          | Chlorosilanes, water-reactive, flammable, corrosive, n.o.s..  | 4.3                        | UN2988                     | I   | 4.3, 3, 8.  | A2, T10, TP2, TP7, TP13                                | None                  | 201       | 244  | Forbidden                                       | 1 L                   | D                | 21, 28, 40, 49, 100 |

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|---|-----------|--------|-----|--------------|---|------|------|-----------|-----------|-----------|-----------|----------------------|----|
| + Chlorosulfonic acid (with or without sulfur trioxide).  | 8         | UN1754 | I   | 8, 6.1       | 2, B9, B10, B14, B32, B74, T20, TP2, TP12, TP38, TP45 | None | 227  | 244       | Forbidden | Forbidden | C         | 40                   |    |
| Chlorotoluenes  | 3         | UN2238 | III | 3            | B1, IB3, T2, TP1                                      | 150  | 203  | 242       | 60 L      | 220 L     | A         |                      |    |
| Chlorotoluidines, liquid  | 6.1       | UN3429 | III | 6.1          | IB3, T4, TP1  | 153  | 203  | 241       | 60 L      | 220 L     | A         |                      |    |
| Chlorotoluidines, solid   | 6.1       | UN2239 | III | 6.1          | IB8, IP3, T1, TP33                                    | 153  | 213  | 240       | 100 kg    | 200 kg    | A         |                      |    |
| Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane. | 2.2       | UN2599 |     | 2.2          |   | 306  | 304  | 314, 315. | 75 kg     | 150 kg    | A         |                      |    |
| Chlorotrifluoromethane or Refrigerant gas R 13.   | 2.2       | UN1022 |     | 2.2          |   | 306  | 304  | 314, 315. | 75 kg     | 150 kg    | A         |                      |    |
| Chromic acid solution   | 8         | UN1755 | II  | 8            | B2, IB2, T8, TP2, TP12                                | 154  | 202  | 242       | 1 L       | 30 L      | C         | 40, 44, 89, 100, 141 |    |
| .....   |           |        | III | 8            | IB3, T4, TP1, TP12                                    | 154  | 203  | 241       | 5 L       | 60 L      | C         | 40, 44, 89, 100, 141 |    |
| Chromic anhydride, see Chromium trioxide, anhydrous.  |           |        |     |              |   |      |      |           |           |           |           |                      |    |
| Chromic fluoride, solid   | 8         | UN1756 | II  | 8            | IB8, IP2, IP4, T3, TP33                               | 154  | 212  | 240       | 15 kg     | 50 kg     | A         | 52                   |    |
| Chromic fluoride, solution  | 8         | UN1757 | II  | 8            | B2, IB2, T7, TP2                                      | 154  | 202  | 242       | 1 L       | 30 L      | A         |                      |    |
| .....   |           |        | III | 8            | IB3, T4, TP1  | 154  | 203  | 241       | 5 L       | 60 L      | A         |                      |    |
| Chromium nitrate  | 5.1       | UN2720 | III | 5.1          | A1, A29, IB8, IP3, T1, TP33                           | 152  | 213  | 240       | 25 kg     | 100 kg    | A         |                      |    |
| Chromium oxychloride  | 8         | UN1758 | I   | 8            | A3, A6, A7, B10, N34, T10, TP2, TP12                  | None | 201  | 243       | 0.5 L     | 2.5 L     | C         | 40, 66, 74, 89, 90   |    |
| Chromium trioxide, anhydrous  | 5.1       | UN1463 | II  | 5.1, 6.1, 8. | IB8, IP4, T3, TP33                                    | None | 212  | 242       | 5 kg      | 25 kg     | A         |                      |    |
| Chromosulfuric acid   | 8         | UN2240 | I   | 8            | A3, A6, A7, B4, B6, N34, T10, TP2, TP12, TP13         | None | 201  | 243       | 0.5 L     | 2.5 L     | B         | 40, 66, 74, 89, 90   |    |
| Chromyl chloride, see Chromium oxychloride.   |           |        |     |              |   |      |      |           |           |           |           |                      |    |
| Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.                                    |           |        |     |              |   |      |      |           |           |           |           |                      |    |
| Coal briquettes, hot  | Forbidden |        |     |              |   |      |      |           |           |           |           |                      |    |
| Coal gas, compressed  | 2.3       | UN1023 |     | 2.3, 2.1.    |   | 3    | None | 302       | 314, 315. | Forbidden | Forbidden | D                    | 40 |
| Coal tar distillates, flammable   | 3         | UN1136 | II  | 3            | IB2, T4, TP1  | 150  | 202  | 242       | 5 L       | 60 L      | B         |                      |    |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |      | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| (1)      | (2)   | (3)                        | (4)                        | (5) | (6)         | (7)                              | (8A)                  | (8B)      | (8C) | (9A)  | (9B)                  | (10A)            | (10B) |
|          | .....   | .....                      |                            | III | 3           | B1, IB3, T4, TP1, TP29           | 150                   | 203       | 242  | 60 L  | 220 L                 | A                | ..... |
|          | <i>Coal tar dye, corrosive, liquid, n.o.s. see Dyes, liquid or solid, n.o.s. or Dye intermediates, liquid or solid, corrosive, n.o.s..</i>            |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |       |
|          | Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining). | 3                          | UN1139                     | I   | 3           | T11, TP1, TP8, TP27              | 150                   | 201       | 243  | 1 L   | 30 L                  | E                | ..... |
|          | .....   | .....                      |                            | II  | 3           | 149, IB2, T4, TP1, TP8           | 150                   | 202       | 242  | 5 L   | 60 L                  | B                | ..... |
|          | .....   | .....                      |                            | III | 3           | B1, IB3, T2, TP1                 | 150                   | 203       | 242  | 60 L  | 220 L                 | A                | ..... |
|          | Cobalt naphthenates, powder   | 4.1                        | UN2001                     | III | 4.1         | A19, IB8, IP3, T1, TP33          | 151                   | 213       | 240  | 25 kg   | 100 kg                | A                | ..... |
|          | Cobalt resinate, precipitated   | 4.1                        | UN1318                     | III | 4.1         | A1, A19, IB6, T1, TP33           | 151                   | 213       | 240  | 25 kg   | 100 kg                | A                | ..... |
|          | <i>Coke, hot</i>  | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |       |
|          | <i>Collodion, see Nitrocellulose etc</i>  |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |       |
| D G      | Combustible liquid, n.o.s.  | Comb liq                   | NA1993                     | III | None        | IB3, T1, T4, TP1                 | 150                   | 203       | 241  | 60 L  | 220 L                 | A                | ..... |
| G        | Components, explosive train, n.o.s.   | 1.2B                       | UN0382                     | II  | 1.2B        | .....                            | None                  | 62        | None | Forbidden                                       | Forbidden             | 11               |       |
| G        | Components, explosive train, n.o.s.   | 1.4B                       | UN0383                     | II  | 1.4B        | .....                            | None                  | 62        | None | Forbidden                                       | 75 kg                 | 06               |       |
| G        | Components, explosive train, n.o.s.   | 1.4S                       | UN0384                     | II  | 1.4S        | .....                            | None                  | 62        | None | 25 kg   | 100 kg                | 05               |       |
| G        | Components, explosive train, n.o.s.   | 1.1B                       | UN0461                     | II  | 1.1B        | .....                            | None                  | 62        | None | Forbidden                                       | Forbidden             | 11               |       |
|          | <i>Composition B, see Hexolite, etc</i>   |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |       |
| D G      | Compounds, cleaning liquid  | 8                          | NA1760                     | I   | 8           | A7, B10, T14, TP2, TP27          | None                  | 201       | 243  | 0.5 L   | 2.5 L                 | B                | 40    |
|          | .....   | .....                      |                            | II  | 8           | B2, IB2, N37, T11, TP2, TP27     | 154                   | 202       | 242  | 1 L   | 30 L                  | B                | 40    |
|          | .....   | .....                      |                            | III | 8           | IB3, N37, T7, TP1, TP28          | 154                   | 203       | 241  | 5 L   | 60 L                  | A                | 40    |

|     |  |     |        |       |              |       |                              |       |       |           |           |           |           |           |           |           |           |        |        |
|-----|--|-----|--------|-------|--------------|-------|------------------------------|-------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|
| D G | Compounds, cleaning liquid .....   | 3   | NA1993 | I     | 3            | ..... | T11, TP1                     | 150   | ..... | 201       | .....     | 243       | .....     | 1 L       | 30 L      | E         | .....     |        |        |
|     |  |     |        | II    | 3            | ..... | IB2, T7, TP1, TP8, TP28      | 150   | ..... | 202       | .....     | 242       | .....     | 5 L       | 60 L      | B         | .....     |        |        |
|     |  |     |        | III   | 3            | ..... | B1, B52, IB3, T4, TP1, TP29  | 150   | ..... | 203       | .....     | 242       | .....     | 60 L      | 220 L     | A         | .....     |        |        |
| D G | Compounds, tree killing, liquid or Compounds, weed killing, liquid.                  | 8   | NA1760 | I     | 8            | ..... | A7, B10, T14, TP2, TP27      | None  | ..... | 201       | .....     | 243       | .....     | 0.5 L     | 2.5 L     | B         | 40        |        |        |
|     |  |     |        | II    | 8            | ..... | B2, IB2, N37, T11, TP2, TP27 | 154   | ..... | 202       | .....     | 242       | .....     | 1 L       | 30 L      | B         | 40        |        |        |
|     |  |     |        | III   | 8            | ..... | IB3, N37, T7, TP1, TP28      | 154   | ..... | 203       | .....     | 241       | .....     | 5 L       | 60 L      | A         | 40        |        |        |
| D G | Compounds, tree killing, liquid or Compounds, weed killing, liquid.                  | 3   | NA1993 | I     | 3            | ..... | T11, TP1                     | 150   | ..... | 201       | .....     | 243       | .....     | 1 L       | 30 L      | E         | .....     |        |        |
|     |  |     |        | II    | 3            | ..... | IB2, T7, TP1, TP8, TP28      | 150   | ..... | 202       | .....     | 242       | .....     | 5 L       | 60 L      | B         | .....     |        |        |
|     |  |     |        | III   | 3            | ..... | B1, B52, IB3, T4, TP1, TP29  | 150   | ..... | 203       | .....     | 242       | .....     | 60 L      | 220 L     | A         | .....     |        |        |
| D G | Compounds, tree killing, liquid or Compounds, weed killing, liquid.                  | 6.1 | NA2810 | I     | 6.1          | ..... | T14, TP2, TP13, TP27         | None  | ..... | 201       | .....     | 243       | .....     | 1 L       | 30 L      | B         | 40        |        |        |
|     |  |     |        | II    | 6.1          | ..... | IB2, T11, TP2, TP27          | 153   | ..... | 202       | .....     | 243       | .....     | 5 L       | 60 L      | B         | 40        |        |        |
|     |  |     |        | III   | 6.1          | ..... | IB3, T7, TP1, TP28           | 153   | ..... | 203       | .....     | 241       | .....     | 60 L      | 220 L     | A         | 40        |        |        |
| G   | Compressed gas, flammable, n.o.s..   | 2.1 | UN1954 | ..... | 2.1          | ..... |                              | 306   | ..... | 302, 305. | .....     | 314, 315. | .....     | Forbidden | 150 kg    | D         | 40        |        |        |
| G   | Compressed gas, n.o.s .....  | 2.2 | UN1956 | ..... | 2.2          | ..... |                              | 77    | ..... | 306, 307. | .....     | 314, 315. | .....     | 75 kg     | 150 kg    | A.        |           |        |        |
| G   | Compressed gas, oxidizing, n.o.s..   | 2.2 | UN3156 | ..... | 2.2, 5.1.    | ..... | A14                          | ..... | 306   | .....     | 302       | .....     | 314, 315. | .....     | 75 kg     | 150 kg    | D         | .....  |        |
| G I | Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i>            | 2.3 | UN3304 | ..... | 2.3, 8       | ..... |                              | 1     | ..... | None      | .....     | 192       | .....     | 245       | .....     | Forbidden | Forbidden | D      | 40     |
| G I | Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>            | 2.3 | UN3304 | ..... | 2.3, 8       | ..... | 2, B9, B14                   | ..... | None  | .....     | 302, 305. | .....     | 314, 315. | .....     | Forbidden | Forbidden | D         | 40     |        |
| G I | Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i>            | 2.3 | UN3304 | ..... | 2.3, 8       | ..... | 3, B14                       | ..... | None  | .....     | 302, 305. | .....     | 314, 315. | .....     | Forbidden | Forbidden | D         | 40     |        |
| G I | Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>            | 2.3 | UN3304 | ..... | 2.3, 8       | ..... |                              | 4     | ..... | None      | .....     | 302, 305. | .....     | 314, 315. | .....     | Forbidden | Forbidden | D      | 40     |
| G I | Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3305 | ..... | 2.3, 2.1, 8. | ..... |                              | 1     | ..... | None      | .....     | 192       | .....     | 245       | .....     | Forbidden | Forbidden | D      | 17, 40 |
| G I | Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3305 | ..... | 2.3, 2.1, 8. | ..... | 2, B9, B14                   | ..... | None  | .....     | 302, 305. | .....     | 314, 315. | .....     | Forbidden | Forbidden | D         | 17, 40 |        |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                              | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes  | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |            |
|----------|--|----------------------------|----------------------------|-------|--------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|------------|
|          |  |                            |                            |       |              |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |            |
|          |  |                            |                            |       |              |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other      |
| (1)      | (2)  | (3)                        | (4)                        | (5)   | (6)          | (7)                              | (8A)                  | (8B)      | (8C)      | (9A)  | (9B)                  | (10A)            | (10B)      |
| G I      | Compressed gas, toxic, flam- mable, corrosive, n.o.s. <i>Inha- lation Hazard Zone C.</i> | 2.3                        | UN3305                     | ..... | 2.3, 2.1, 8. | 3, B14                           | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 17, 40     |
| G I      | Compressed gas, toxic, flam- mable, corrosive, n.o.s. <i>Inha- lation Hazard Zone D.</i> | 2.3                        | UN3305                     | ..... | 2.3, 2.1, 8. | 4                                | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 17, 40     |
| G        | Compressed gas, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard Zone A.</i>            | 2.3                        | UN1953                     | ..... | 2.3, 2.1.    | 1                                | None ....             | 192 ..... | 245 ..... | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard Zone B.</i>            | 2.3                        | UN1953                     | ..... | 2.3, 2.1.    | 2, B9, B14                       | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, flam- mable, n.o.s. <i>Inhalation Haz- ard Zone C.</i>            | 2.3                        | UN1953                     | ..... | 2.3, 2.1.    | 3, B14                           | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, flam- mable, n.o.s. <i>Inhalation Haz- ard Zone D.</i>            | 2.3                        | UN1953                     | ..... | 2.3, 2.1.    | 4                                | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A.</i>                           | 2.3                        | UN1955                     | ..... | 2.3 .....    | 1                                | None ....             | 192 ..... | 245 ..... | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone B.</i>                           | 2.3                        | UN1955                     | ..... | 2.3 .....    | 2, B9, B14                       | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone C.</i>                           | 2.3                        | UN1955                     | ..... | 2.3 .....    | 3, B14                           | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40         |
| G        | Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D.</i>                           | 2.3                        | UN1955                     | ..... | 2.3 .....    | 4                                | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40         |
| G I      | Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>In- halation Hazard Zone A.</i>   | 2.3                        | UN3306                     | ..... | 2.3, 5.1, 8. | 1                                | None ....             | 192 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40, 89, 90 |
| G I      | Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>Inha- lation Hazard Zone B.</i> | 2.3                        | UN3306                     | ..... | 2.3, 5.1, 8. | 2, B9, B14                       | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 89, 90 |
| G I      | Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>Inha- lation Hazard Zone C.</i> | 2.3                        | UN3306                     | ..... | 2.3, 5.1, 8. | 3, B14                           | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 89, 90 |
| G I      | Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>Inha- lation Hazard Zone D.</i> | 2.3                        | UN3306                     | ..... | 2.3, 5.1, 8. | 4                                | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 89, 90 |

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|---|--|-----------|--------|-------|-----------|---------------------------|-----------|-----------|-----------|-------------|-------------|----|-------------------|
| G | Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A.</i>                  | 2.3       | UN3303 | ..... | 2.3, 5.1. | 1                         | None      | 192       | 245       | Forbidden   | Forbidden   | D  | 40                |
| G | Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B.</i>                  | 2.3       | UN3303 | ..... | 2.3, 5.1. | 2, B9, B14                | None      | 302, 305. | 314, 315. | Forbidden   | Forbidden   | D  | 40                |
| G | Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C.</i>                  | 2.3       | UN3303 | ..... | 2.3, 5.1. | 3, B14                    | None      | 302, 305. | 314, 315. | Forbidden   | Forbidden   | D  | 40                |
| G | Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D.</i>                  | 2.3       | UN3303 | ..... | 2.3, 5.1. | 4                         | None      | 302, 305. | 314, 315. | Forbidden   | Forbidden   | D  | 40                |
| D | Consumer commodity   | ORM-D     |        | ..... | None      |                           | 156, 306. | 156, 306. | None      | 30 kg gross | 30 kg gross | A  | .....             |
| G | Contrivances, water-activated, with burster, expelling charge or propelling charge.        | 1.2L      | UN0248 | II    | 1.2L      | .....                     | None      | 62        | None      | Forbidden   | Forbidden   | 08 | 8E, 14E, 15E, 17E |
| G | Contrivances, water-activated, with burster, expelling charge or propelling charge.        | 1.3L      | UN0249 | II    | 1.3L      | .....                     | None      | 62        | None      | Forbidden   | Forbidden   | 08 | 8E, 14E, 15E, 17E |
|   | Copper acetoarsenite   | 6.1       | UN1585 | II    | 6.1       | IB8, IP2, IP4, T3, TP33   | 153       | 212       | 242       | 25 kg       | 100 kg      | A  | .....             |
|   | Copper acetylde  | Forbidden |        |       |           |                           |           |           |           |             |             |    |                   |
|   | Copper amine azide   | Forbidden |        |       |           |                           |           |           |           |             |             |    |                   |
|   | Copper arsenite  | 6.1       | UN1586 | II    | 6.1       | IB8, IP2, IP4, T3, TP33   | 153       | 212       | 242       | 25 kg       | 100 kg      | A  | .....             |
|   | Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.     | 3         | UN2776 | I     | 3, 6.1    | T14, TP2, TP13, TP27      | None      | 201       | 243       | Forbidden   | 30 L        | B  | 40                |
|   |  |           |        | II    | 3, 6.1    | IB2, T11, TP2, TP13, TP27 | 150       | 202       | 243       | 1 L         | 60 L        | B  | 40                |
|   | Copper based pesticides, liquid, toxic.  | 6.1       | UN3010 | I     | 6.1       | T14, TP2, TP13, TP27      | None      | 201       | 243       | 1 L         | 30 L        | B  | 40                |
|   |  |           |        | II    | 6.1       | IB2, T11, TP2, TP13, TP27 | 153       | 202       | 243       | 5 L         | 60 L        | B  | 40                |
|   |  |           |        | III   | 6.1       | IB3, T7, TP2, TP28        | 153       | 203       | 241       | 60 L        | 220 L       | A  | 40                |
|   | Copper based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1       | UN3009 | I     | 6.1, 3    | T14, TP2, TP13, TP27      | None      | 201       | 243       | 1 L         | 30 L        | B  | 40                |
|   |  |           |        | II    | 6.1, 3    | IB2, T11, TP2, TP13, TP27 | 153       | 202       | 243       | 5 L         | 60 L        | B  | 40                |
|   |  |           |        | III   | 6.1, 3    | B1, IB3, T7, TP2, TP28    | 153       | 203       | 242       | 60 L        | 220 L       | A  | 40                |
|   | Copper based pesticides, solid, toxic.   | 6.1       | UN2775 | I     | 6.1       | IB7, IP1, T6, TP33        | None      | 211       | 242       | 5 kg        | 50 kg       | A  | 40                |
|   |  |           |        | II    | 6.1       | IB8, IP2, IP4, T3, TP33   | 153       | 212       | 242       | 25 kg       | 100 kg      | A  | 40                |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)               | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | .....  | .....                                 | .....                                 | III           | 6.1 .....              | IB8, IP3, T1, TP33                          | 153 .....                | 213 .....             | 240 .....        | 100 kg  | 200 kg                            | A                       | 40                 |
|                     | Copper chlorate .....  | 5.1                                   | UN2721                                | II            | 5.1 .....              | A1, IB8, IP2, IP4, T3, TP33                 | 152 .....                | 212 .....             | 242 .....        | 5 kg  | 25 kg                             | A                       | 56, 58             |
|                     | Copper chloride .....  | 8                                     | UN2802                                | III           | 8 .....                | IB8, IP3, T1, TP33                          | 154 .....                | 213 .....             | 240 .....        | 25 kg   | 100 kg                            | A                       | .....              |
|                     | Copper cyanide .....   | 6.1                                   | UN1587                                | II            | 6.1 .....              | IB8, IP2, IP4, T3, TP33                     | 153 .....                | 204 .....             | 242 .....        | 25 kg   | 100 kg                            | A                       | 52                 |
|                     | <i>Copper selenate, see Selenates or Selenites.</i>                                  | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
|                     | <i>Copper selenite, see Selenates or Selenites.</i>                                  | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
|                     | <i>Copper tetramine nitrate</i> .....  | Forbidden                             | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
| A W                 | Copra .....  | 4.2                                   | UN1363                                | III           | 4.2 .....              | IB8, IP3, IP7                               | None .....               | 213 .....             | 241 .....        | Forbidden                                       | Forbidden                         | A                       | 13, 19, 48, 119    |
|                     | Cord, detonating, <i>flexible</i> .....  | 1.1D                                  | UN0065                                | II            | 1.1D ..                | 102   | 63(a) .....              | 62 .....              | None .....       | Forbidden                                       | Forbidden                         | 07                      | .....              |
|                     | Cord, detonating, <i>flexible</i> .....  | 1.4D                                  | UN0289                                | II            | 1.4D ..                | .....                                       | None .....               | 62 .....              | None .....       | Forbidden                                       | 75 kg                             | 06                      | .....              |
|                     | Cord detonating or Fuse deto- nating <i>metal clad.</i>                              | 1.2D                                  | UN0102                                | II            | 1.2D ..                | .....                                       | None .....               | 62 .....              | None .....       | Forbidden                                       | Forbidden                         | 07                      | .....              |
|                     | Cord, detonating or Fuse, deto- nating <i>metal clad.</i>                            | 1.1D                                  | UN0290                                | II            | 1.1D ..                | .....                                       | None .....               | 62 .....              | None .....       | Forbidden                                       | Forbidden                         | 07                      | .....              |
|                     | Cord, detonating, mild effect or Fuse, detonating, mild effect <i>metal clad.</i>    | 1.4D                                  | UN0104                                | II            | 1.4D ..                | .....                                       | None .....               | 62 .....              | None .....       | Forbidden                                       | 75 kg                             | 06                      | .....              |
|                     | Cord, igniter .....  | 1.4G                                  | UN0066                                | II            | 1.4G ..                | .....                                       | None .....               | 62 .....              | None .....       | Forbidden                                       | 75 kg                             | 06                      | .....              |
|                     | <i>Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible.</i> | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
| G                   | <i>Cordite, see Powder, smokeless</i>  | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
|                     | Corrosive, liquid, acidic, inor- ganic, n.o.s.                                       | 8                                     | UN3264                                | I             | 8 .....                | A6, B10, T14, TP2, TP27                     | None .....               | 201 .....             | 243 .....        | 0.5 L   | 2.5 L                             | B                       | 40.                |
|                     | .....  | .....                                 | .....                                 | II            | 8 .....                | B2, IB2, T11, TP2, TP27                     | 154 .....                | 202 .....             | 242 .....        | 1 L   | 30 L                              | B                       | 40.                |
|                     | .....  | .....                                 | .....                                 | III           | 8 .....                | IB3, T7, TP1, TP28                          | 154 .....                | 203 .....             | 241 .....        | 5 L   | 60 L                              | A                       | 40.                |
| G                   | Corrosive liquid, acidic, organic, n.o.s..   | 8                                     | UN3265                                | I             | 8 .....                | A6, B10, T14, TP2, TP27                     | None .....               | 201 .....             | 243 .....        | 0.5 L   | 2.5 L                             | B                       | 40                 |
|                     | .....  | .....                                 | .....                                 | II            | 8 .....                | B2, IB2, T11, TP2, TP27                     | 154 .....                | 202 .....             | 242 .....        | 1 L   | 30 L                              | B                       | 40                 |

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|---|---|---|--------|-----|--------|-----------------------------------|------|-----|-----|-----------|--------|---|--------|
|   |   |   |        | III | 8      | IB3, T7, TP1, TP28                | 154  | 203 | 241 | 5 L       | 60 L   | A | 40     |
| G | Corrosive liquid, basic, inorganic, n.o.s.. | 8 | UN3266 | I   | 8      | A6, T14, TP2, TP27                | None | 201 | 243 | 0.5 L     | 2.5 L  | B | 40, 52 |
|   |   |   |        | II  | 8      | B2, IB2, T11, TP2, TP27           | 154  | 202 | 242 | 1 L       | 30 L   | B | 40, 52 |
|   |   |   |        | III | 8      | IB3, T7, TP1, TP28                | 154  | 203 | 241 | 5 L       | 60 L   | A | 40, 52 |
| G | Corrosive liquid, basic, organic, n.o.s..   | 8 | UN3267 | I   | 8      | A6, B10, T14, TP2, TP27           | None | 201 | 243 | 0.5 L     | 2.5 L  | B | 40, 52 |
|   |   |   |        | II  | 8      | B2, IB2, T11, TP2, TP27           | 154  | 202 | 242 | 1 L       | 30 L   | B | 40, 52 |
|   |   |   |        | III | 8      | IB3, T7, TP1, TP28                | 154  | 203 | 241 | 5 L       | 60 L   | A | 40, 52 |
| G | Corrosive liquid, self-heating, n.o.s..     | 8 | UN3301 | I   | 8, 4.2 | A6, B10                           | None | 201 | 243 | 0.5 L     | 2.5 L  | D | .....  |
|   |   |   |        | II  | 8, 4.2 | B2, IB1                           | 154  | 202 | 242 | 1 L       | 30 L   | D | .....  |
| G | Corrosive liquids, flammable, n.o.s..       | 8 | UN2920 | I   | 8, 3   | A6, B10, T14, TP2, TP27           | None | 201 | 243 | 0.5 L     | 2.5 L  | C | 25, 40 |
|   |   |   |        | II  | 8, 3   | B2, IB2, T11, TP2, TP27           | None | 202 | 243 | 1 L       | 30 L   | C | 25, 40 |
| G | Corrosive liquids, n.o.s. ....              | 8 | UN1760 | I   | 8      | A6, A7, B10, T14, TP2, TP27       | None | 201 | 243 | 0.5 L     | 2.5 L  | B | 40     |
|   |   |   |        | II  | 8      | B2, IB2, T11, TP2, TP27           | 154  | 202 | 242 | 1 L       | 30 L   | B | 40     |
|   |   |   |        | III | 8      | IB3, T7, TP1, TP28                | 154  | 203 | 241 | 5 L       | 60 L   | A | 40     |
| G | Corrosive liquids, oxidizing, n.o.s..       | 8 | UN3093 | I   | 8, 5.1 | A6, A7                            | None | 201 | 243 | Forbidden | 2.5 L  | C | 89     |
|   |   |   |        | II  | 8, 5.1 | A6, A7, IB2                       | None | 202 | 243 | 1 L       | 30 L   | C | 89     |
| G | Corrosive liquids, toxic, n.o.s. ....       | 8 | UN2922 | I   | 8, 6.1 | A6, A7, B10, T14, TP2, TP13, TP27 | None | 201 | 243 | 0.5 L     | 2.5 L  | B | 40     |
|   |   |   |        | II  | 8, 6.1 | B3, IB2, T7, TP2                  | 154  | 202 | 243 | 1 L       | 30 L   | B | 40     |
|   |   |   |        | III | 8, 6.1 | IB3, T7, TP1, TP28                | 154  | 203 | 241 | 5 L       | 60 L   | B | 40     |
| G | Corrosive liquids, water-reactive, n.o.s..  | 8 | UN3094 | I   | 8, 4.3 | A6, A7                            | None | 201 | 243 | Forbidden | 1 L    | E | .....  |
|   |   |   |        | II  | 8, 4.3 | A6, A7                            | None | 202 | 243 | 1 L       | 5 L    | E | .....  |
| G | Corrosive solid, acidic, inorganic, n.o.s.. | 8 | UN3260 | I   | 8      | IB7, IP1, T6, TP33                | None | 211 | 242 | 1 kg      | 25 kg  | B | .....  |
|   |   |   |        | II  | 8      | IB8, IP2, IP4, T3, TP33           | 154  | 212 | 240 | 15 kg     | 50 kg  | B | .....  |
|   |   |   |        | III | 8      | IB8, IP3, T1, TP33                | 154  | 213 | 240 | 25 kg     | 100 kg | A | .....  |
| G | Corrosive solid, acidic, organic, n.o.s..   | 8 | UN3261 | I   | 8      | IB7, IP1, T6, TP33                | None | 211 | 242 | 1 kg      | 25 kg  | B | .....  |
|   |   |   |        | II  | 8      | IB8, IP2, IP4, T3, TP33           | 154  | 212 | 240 | 15 kg     | 50 kg  | B | .....  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2) | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                          |                       |                  | (9)   |                                   | (10)                    |                    |        |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|------------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|--------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)        |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |        |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A)     | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |        |
| G                   | Corrosive solid, basic, inorganic, n.o.s..                             | 8                                     | UN3262                                | III           | 8                      | IB8, IP3, T1, TP33                          | 154                          | 213                   | 240              | 25 kg   | 100 kg                            | A                       |                    |        |
|                     |  |                                       |                                       |               | I                      | 8   | IB7, IP1, T6, TP33           | None                  | 211              | 242   | 1 kg                              | 25 kg                   | B                  | 52     |
|                     |  |                                       |                                       |               | II                     | 8   | IB8, IP2, IP4, T3, TP33      | 154                   | 212              | 240   | 15 kg                             | 50 kg                   | B                  | 52     |
| G                   | Corrosive solid, basic, organic, n.o.s..                               | 8                                     | UN3263                                | III           | 8                      | IB8, IP3, T1, TP33                          | 154                          | 213                   | 240              | 25 kg   | 100 kg                            | A                       | 52                 |        |
|                     |  |                                       |                                       |               | I                      | 8   | IB7, IP1, T6, TP33           | None                  | 211              | 242   | 1 kg                              | 25 kg                   | B                  | 52     |
|                     |  |                                       |                                       |               | II                     | 8   | IB8, IP2, IP4, T3, TP33      | 154                   | 212              | 240   | 15 kg                             | 50 kg                   | B                  | 52     |
| G                   | Corrosive solids, flammable, n.o.s..                                   | 8                                     | UN2921                                | I             | 8, 4.1                 | IB6, T6, TP33                               | None                         | 211                   | 242              | 1 kg  | 25 kg                             | B                       | 12, 25             |        |
|                     |  |                                       |                                       |               | II                     | 8, 4.1                                      | IB8, IP2, IP4, T3, TP33      | None                  | 212              | 242   | 15 kg                             | 50 kg                   | B                  | 12, 25 |
| G                   | Corrosive solids, n.o.s. ....  | 8                                     | UN1759                                | I             | 8                      | IB7, IP1, T6, TP33                          | None                         | 211                   | 242              | 1 kg  | 25 kg                             | B                       |                    |        |
|                     |  |                                       |                                       |               | II                     | 8   | 128, IB8, IP2, IP4, T3, TP33 | 154                   | 212              | 240   | 15 kg                             | 50 kg                   | A                  |        |
| G                   | Corrosive solids, oxidizing, n.o.s..                                   | 8                                     | UN3084                                | III           | 8                      | 128, IB8, IP3, T1, TP33                     | 154                          | 213                   | 240              | 25 kg   | 100 kg                            | A                       |                    |        |
|                     |  |                                       |                                       |               | I                      | 8, 5.1                                      | T6, TP33                     | None                  | 211              | 242   | 1 kg                              | 25 kg                   | C                  |        |
| G                   | Corrosive solids, self-heating, n.o.s..                                | 8                                     | UN3095                                | II            | 8, 5.1                 | IB6, IP2, T3, TP33                          | None                         | 212                   | 242              | 15 kg   | 50 kg                             | C                       |                    |        |
|                     |  |                                       |                                       |               | I                      | 8, 4.2                                      | T6, TP33                     | None                  | 211              | 243   | 1 kg                              | 25 kg                   | C                  |        |
| G                   | Corrosive solids, toxic, n.o.s. ....                                   | 8                                     | UN2923                                | II            | 8, 4.2                 | IB6, IP2, T3, TP33                          | None                         | 212                   | 242              | 15 kg   | 50 kg                             | C                       |                    |        |
|                     |  |                                       |                                       |               | I                      | 8, 6.1                                      | IB7, T6, TP33                | None                  | 211              | 242   | 1 kg                              | 25 kg                   | B                  | 40     |
| G                   | Corrosive solids, toxic, n.o.s. ....                                   | 8                                     | UN2923                                | II            | 8, 6.1                 | IB8, IP2, IP4, T3, TP33                     | 154                          | 212                   | 240              | 15 kg   | 50 kg                             | B                       | 40                 |        |
|                     |  |                                       |                                       |               | III                    | 8, 6.1                                      | IB8, IP3, T1, TP33           | 154                   | 213              | 240   | 25 kg                             | 100 kg                  | B                  | 40, 95 |
| G                   | Corrosive solids, water-reactive, n.o.s..                              | 8                                     | UN3096                                | I             | 8, 4.3                 | IB4, IP1, T6, TP33                          | None                         | 211                   | 243              | 1 kg  | 25 kg                             | D                       |                    |        |

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|-----|---|------|--------|-----|--------|--|------|------|------|-----------|-----------|----|-----|
|     |   |      |        | II  | 8, 4.3 | IB6, IP2, T3, TP33   | None | 212  | 242  | 15 kg     | 50 kg     | D  |     |
| D W | Cotton  | 9    | NA1365 | 9   |        | 137, IB8, IP2, IP4, W41                                    | None | None | None | No limit  | No limit  | A  |     |
| A W | Cotton waste, oily  | 4.2  | UN1364 | III | 4.2    | IB8, IP3, IP7  | None | 213  | None | Forbidden | Forbidden | A  | 54  |
| A I | Cotton, wet   | 4.2  | UN1365 | III | 4.2    | IB8, IP3, IP7  | None | 204  | 241  | Forbidden | Forbidden | A  |     |
| W   | Coumarin derivative pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.     | 3    | UN3024 | I   | 3, 6.1 | T14, TP2, TP13, TP27                                       | None | 201  | 243  | Forbidden | 30 L      | B  | 40  |
|     |   |      |        | II  | 3, 6.1 | IB2, T11, TP2, TP13, TP27                                  | 150  | 202  | 243  | 1 L       | 60 L      | B  | 40  |
|     | Coumarin derivative pesticides, liquid, toxic.  | 6.1  | UN3026 | I   | 6.1    | T14, TP2, TP13, TP27                                       | None | 201  | 243  | 1 L       | 30 L      | B  | 40  |
|     |   |      |        | II  | 6.1    | IB2, T11, TP2, TP27  | 153  | 202  | 243  | 5 L       | 60 L      | B  | 40  |
|     |   |      |        | III | 6.1    | IB3, T7, TP1, TP28   | 153  | 203  | 241  | 60 L      | 220 L     | A  | 40  |
|     | Coumarin derivative pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1  | UN3025 | I   | 6.1, 3 | T14, TP2, TP13, TP27                                       | None | 201  | 243  | 1 L       | 30 L      | B  | 40  |
|     |   |      |        | II  | 6.1, 3 | IB2, T11, TP2, TP13, TP27                                  | 153  | 202  | 243  | 5 L       | 60 L      | B  | 40  |
|     |   |      |        | III | 6.1, 3 | B1, IB3, T7, TP1, TP28                                     | 153  | 203  | 242  | 60 L      | 220 L     | A  | 40  |
|     | Coumarin derivative pesticides, solid, toxic.   | 6.1  | UN3027 | I   | 6.1    | IB7, IP1, T6, TP33   | None | 211  | 242  | 5 kg      | 50 kg     | A  | 40  |
|     |   |      |        | II  | 6.1    | IB8, IP2, IP4, T3, TP33                                    | 153  | 212  | 242  | 25 kg     | 100 kg    | A  | 40  |
|     |   |      |        | III | 6.1    | IB8, IP3, T1, TP33   | 153  | 213  | 240  | 100 kg    | 200 kg    | A  | 40  |
|     | Cresols, liquid   | 6.1  | UN2076 | II  | 6.1, 8 | IB2, IP2, IP4, T7, TP2                                     | 153  | 202  | 243  | 1 L       | 30 L      | B  |     |
|     | Cresols, solid  | 6.1  | UN3455 | II  | 6.1, 8 | IB8, IP2, IP4, T3, TP33                                    | 153  | 212  | 242  | 15 kg     | 50 kg     | B  |     |
|     | Cresylic acid   | 6.1  | UN2022 | II  | 6.1, 8 | IB2, T7, TP2, TP13   | 153  | 202  | 243  | 1 L       | 30 L      | B  |     |
|     | Crotonaldehyde or Crotonaldehyde, stabilized.   | 6.1  | UN1143 | I   | 6.1, 3 | 2, 175, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227  | 244  | Forbidden | Forbidden | B  | 40  |
|     | Crotonic acid, liquid   | 8    | UN3472 | III | 8      | IB8, T1  | 154  | 203  | 241  | 5 L       | 60 L      | A  | 12. |
|     | Crotonic acid, solid  | 8    | UN2823 | III | 8      | IB8, IP3, T1, TP33   | 154  | 213  | 240  | 25 kg     | 100 kg    | A  | 12. |
|     | Crotonylene   | 3    | UN1144 | I   | 3      | T11, TP2   | 150  | 201  | 243  | 1 L       | 30 L      | E  |     |
|     | Cupriethylenediamine solution   | 8    | UN1761 | II  | 8, 6.1 | IB2, T7, TP2   | 154  | 202  | 243  | 1 L       | 30 L      | A  |     |
|     |   |      |        | III | 8, 6.1 | IB3, T7, TP1, TP28   | 154  | 203  | 242  | 5 L       | 60 L      | A  | 95  |
|     | Cutters, cable, explosive   | 1.4S | UN0070 | II  | 1.4S   |  | None | 62   | None | 25 kg     | 100 kg    | 05 |     |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)          | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                         |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|-------------------------|
|                     |   |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                         |
|                     |   |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B)      |
|                     | <i>Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.</i> |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                         |
|                     | Cyanide solutions, n.o.s. ....  | 6.1                                   | UN1935                                | I             | 6.1                    | B37, T14, TP2, TP13, TP27                   | None                     | 201                   | 243              | 1 L   | 30 L                              | B                       | 40, 52                  |
|                     |   |                                       |                                       | II            | 6.1                    | IB2, T11, TP2, TP13, TP27                   | 153                      | 202                   | 243              | 5 L   | 60 L                              | A                       | 40, 52                  |
|                     |   |                                       |                                       | III           | 6.1                    | IB3, T7, TP2, TP13, TP28                    | 153                      | 203                   | 241              | 60 L  | 220 L                             | A                       | 40, 52                  |
|                     | Cyanides, inorganic, solid, n.o.s.  | 6.1                                   | UN1588                                | I             | 6.1                    | IB7, IP1, N74, N75, T6, TP33                | None                     | 211                   | 242              | 5 kg  | 50 kg                             | A                       | 52                      |
|                     |   |                                       |                                       | II            | 6.1                    | IB8, IP2, IP4, N74, N75, T3, TP33           | 153                      | 212                   | 242              | 25 kg   | 100 kg                            | A                       | 52                      |
|                     |   |                                       |                                       | III           | 6.1                    | IB8, IP3, N74, N75, T1, TP33                | 153                      | 213                   | 240              | 100 kg  | 200 kg                            | A                       | 52                      |
|                     | Cyanogen .....  | 2.3                                   | UN1026                                |               | 2.3, 2.1.              |   | None                     | 304                   | 245              | Forbidden                                       | Forbidden                         | D                       | 40                      |
|                     | Cyanogen bromide .....  | 6.1                                   | UN1889                                | I             | 6.1, 8                 | A6, A8, T6, TP33                            | None                     | 211                   | 242              | 1 kg  | 15 kg                             | D                       | 40                      |
|                     | Cyanogen chloride, stabilized ....  | 2.3                                   | UN1589                                |               | 2.3, 8                 |   | None                     | 192                   | 245              | Forbidden                                       | Forbidden                         | D                       | 40                      |
|                     | Cyanuric chloride .....   | 8                                     | UN2670                                | II            | 8                      | IB8, IP2, IP4, T3, TP33                     | None                     | 212                   | 240              | 15 kg   | 50 kg                             | A                       | 12, 40                  |
|                     | <i>Cyanuric triazide</i> .....  | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                         |
|                     | Cyclobutane .....   | 2.1                                   | UN2601                                |               | 2.1                    |   | 306                      | 304                   | 314, 315.        | Forbidden                                       | 150 kg                            | B                       | 40                      |
|                     | Cyclobutyl chloroformate .....  | 6.1                                   | UN2744                                | II            | 6.1, 8, 3.             | IB1, T7, TP2, TP13                          | 153                      | 202                   | 243              | 1 L   | 30 L                              | A                       | 12, 13, 21, 25, 40, 100 |
|                     | 1,5,9-Cyclododecatriene .....   | 6.1                                   | UN2518                                | III           | 6.1                    | IB3, T4, TP1                                | 153                      | 203                   | 241              | 60 L  | 220 L                             | A                       | 40                      |
|                     | Cycloheptane .....  | 3                                     | UN2241                                | II            | 3                      | IB2, T4, TP1                                | 150                      | 202                   | 242              | 5 L   | 60 L                              | B                       | 40                      |
|                     | Cycloheptatriene .....  | 3                                     | UN2603                                | II            | 3, 6.1                 | IB2, T7, TP1, TP13                          | 150                      | 202                   | 243              | 1 L   | 60 L                              | E                       | 40                      |
|                     | Cycloheptene .....  | 3                                     | UN2242                                | II            | 3                      | B1, IB2, T4, TP1                            | 150                      | 202                   | 242              | 5 L   | 60 L                              | B                       |                         |
|                     | Cyclohexane .....   | 3                                     | UN1145                                | II            | 3                      | IB2, T4, TP1                                | 150                      | 202                   | 242              | 5 L   | 60 L                              | E                       |                         |
|                     | Cyclohexanone .....   | 3                                     | UN1915                                | III           | 3                      | B1, IB3, T2, TP1                            | 150                      | 203                   | 242              | 60 L  | 220 L                             | A                       |                         |
|                     | Cyclohexene .....   | 3                                     | UN2256                                | II            | 3                      | IB2, T4, TP1                                | 150                      | 202                   | 242              | 5 L   | 60 L                              | E                       |                         |
|                     | Cyclohexenytrichlorosilane .....  | 8                                     | UN1762                                | II            | 8                      | A7, B2, IB2, N34, T7, TP2, TP13             | None                     | 202                   | 242              | Forbidden                                       | 30 L                              | C                       | 40                      |

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|--|-----------|--------|-------|--------|-------|---|------|-------|-----|-------|-----------|-------|-----------|-----------|----|--------|
| Cyclohexyl acetate .....   | 3         | UN2243 | III   | 3      | ..... | B1, IB3, T2, TP1                                      | 150  | ..... | 203 | ..... | 242       | ..... | 60 L      | 220 L     | A  | .....  |
| Cyclohexyl isocyanate .....  | 6.1       | UN2488 | I     | 6.1, 3 | ..... | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244       | ..... | Forbidden | Forbidden | D  | 40     |
| Cyclohexyl mercaptan .....   | 3         | UN3054 | III   | 3      | ..... | B1, IB3, T2, TP1                                      | 150  | ..... | 203 | ..... | 242       | ..... | 60 L      | 220 L     | A  | 40, 95 |
| Cyclohexylamine .....  | 8         | UN2357 | II    | 8, 3   | ..... | IB2, T7, TP2  | None | ..... | 202 | ..... | 243       | ..... | 1 L       | 30 L      | A  | 40     |
| Cyclohexyltrichlorosilane .....  | 8         | UN1763 | II    | 8      | ..... | A7, B2, IB2, N34, T7, TP2, TP13                       | None | ..... | 202 | ..... | 242       | ..... | Forbidden | 30 L      | C  | 40     |
| Cyclonite and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. |           |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclonite and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.                               |           |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclonite and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.                           |           |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclonite, see Cyclotrimethylenetrinitramine, etc.   |           |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclooctadiene phosphines, see 9-Phosphabicyclononanes.  |           |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclooctadienes .....  | 3         | UN2520 | III   | 3      | ..... | B1, IB3, T2, TP1                                      | 150  | ..... | 203 | ..... | 242       | ..... | 60 L      | 220 L     | A  | .....  |
| Cyclooctatetraene .....  | 3         | UN2358 | II    | 3      | ..... | IB2, T4, TP1  | 150  | ..... | 202 | ..... | 242       | ..... | 5 L       | 60 L      | B  | .....  |
| Cyclopentane .....   | 3         | UN1146 | II    | 3      | ..... | IB2, T7, TP1  | 150  | ..... | 202 | ..... | 242       | ..... | 5 L       | 60 L      | E  | .....  |
| Cyclopentane, methyl, see Methylcyclopentane.  |           |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclopentanol .....  | 3         | UN2244 | III   | 3      | ..... | B1, IB3, T2, TP1                                      | 150  | ..... | 203 | ..... | 242       | ..... | 60 L      | 220 L     | A  | .....  |
| Cyclopentanone .....   | 3         | UN2245 | III   | 3      | ..... | B1, IB3, T2, TP1                                      | 150  | ..... | 203 | ..... | 242       | ..... | 60 L      | 220 L     | A  | .....  |
| Cyclopentene .....   | 3         | UN2246 | II    | 3      | ..... | IB2, IP8, T7, TP2                                     | 150  | ..... | 202 | ..... | 242       | ..... | 5 L       | 60 L      | E  | .....  |
| Cyclopropane .....   | 2.1       | UN1027 | ..... | 2.1    | ..... | T50   | 306  | ..... | 304 | ..... | 314, 315. | ..... | Forbidden | 150 kg    | E  | 40     |
| Cyclotetramethylene tetranitramine (dry or unphlegmatized) (HMX).  | Forbidden |        |       |        |       |   |      |       |     |       |           |       |           |           |    |        |
| Cyclotetramethylenetetranitramine, desensitized or Octogen, desensitized or HMX, desensitized.   | 1.1D      | UN0484 | II    | 1.1D   | ..    |   | None | ..... | 62  | ..... | None      | ..... | Forbidden | Forbidden | 10 | .....  |

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| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)   | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |  |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |  |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | Cyclotetramethylenetetranitramine, wetted or HMX, wetted or Octogen, wetted with not less than 15 percent water, by mass.                                  | 1.1D                                  | UN0226                                | II            | 1.1D ..                |   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 10                      | .....              |
|                     | Cyclotrimethylenenitramine and octogen, mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized, etc.                            | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
|                     | Cyclotrimethylenetrinitramine and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
|                     | Cyclotrimethylenetrinitramine and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.                               | .....                                 | .....                                 | .....         | .....                  | .....                                       | .....                    | .....                 | .....            | .....   | .....                             | .....                   | .....              |
|                     | Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized.                                      | 1.1D                                  | UN0483                                | II            | 1.1D ..                |   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 10                      | .....              |
|                     | Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass.                  | 1.1D                                  | UN0072                                | II            | 1.1D ..                |   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 10                      | .....              |
|                     | Cymenes .....  | 3                                     | UN2046                                | III           | 3 .....                | B1, IB3, T2, TP1                            | 150 .....                | 203 .....             | 242 .....        | 60 L  | 220 L                             | A                       | .....              |
|                     | Dangerous Goods in Machinery or Dangerous Goods in Apparatus.  | 9                                     | UN3363                                | .....         | .....                  | 136, A105                                   | None ....                | 222 .....             | None ....        | See A105  | See A105                          | A.                      | .....              |
|                     | Decaborane .....   | 4.1                                   | UN1868                                | II            | 4.1, 6.1.              | A19, A20, IB6, IP2, T3, TP33                | None ....                | 212 .....             | None ....        | Forbidden                                       | 50 kg                             | A                       | 74                 |
|                     | Decahydronaphthalene .....   | 3                                     | UN1147                                | III           | 3 .....                | B1, IB3, T2, TP1                            | 150 .....                | 203 .....             | 242 .....        | 60 L  | 220 L                             | A                       | .....              |

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|---|-----------|--------|-------|--------|------------------|------------------|-----|------|-----------|-----------|----|--------|
| n-Decane .....  | 3         | UN2247 | III   | 3      | B1, IB3, T2, TP1 | 150              | 203 | 242  | 60 L      | 220 L     | A  | .....  |
| Deflagrating metal salts of aromatic nitroderivatives, n.o.s..  | 1.3C      | UN0132 | II    | 1.3C   |                  | None             | 62  | None | Forbidden | Forbidden | 10 | 5E     |
| <i>Delay electric igniter, see Igniters.</i>  |           |        |       |        |                  |                  |     |      |           |           |    |        |
| D Denatured alcohol .....   | 3         | NA1987 | II    | 3      | 172, T8          | 150              | 202 | 242  | 5 L       | 60 L      | B  |        |
| <i>Depth charges, see Charges, depth.</i>   |           |        | III   | 3      | 172, B1, T7      | 150              | 203 | 242  | 60 L      | 220 L     | A  |        |
| G Desensitized explosive, liquid, n.o.s..   | 3         | UN3379 | I     | 3      | 164              | None             | 201 | None | Forbidden | Forbidden | D  | 36     |
| G Desensitized explosive, solid, n.o.s..  | 4.1       | UN3380 | I     | 4.1    | 164              | None             | 211 | None | Forbidden | Forbidden | D  | 28, 36 |
| <i>Detonating relays, see Detonators, etc.</i>  |           |        |       |        |                  |                  |     |      |           |           |    |        |
| Detonator assemblies, non-electric for blasting.  | 1.1B      | UN0360 | II    | 1.1B   |                  | None             | 62  | None | Forbidden | Forbidden | 11 |        |
| Detonator assemblies, non-electric, for blasting.   | 1.4B      | UN0361 | II    | 1.4B   | 103              | 63(f),<br>63(g). | 62  | None | Forbidden | 75 kg     | 06 |        |
| Detonator, assemblies, non-electric for blasting.   | 1.4S      | UN0500 | II    | 1.4S   |                  | 63(f),<br>63(g). | 62  | None | 25 kg     | 100 kg    | 05 |        |
| Detonators, electric, for blasting  | 1.1B      | UN0030 | II    | 1.1B   |                  | 63(f),<br>63(g). | 62  | None | Forbidden | Forbidden | 11 |        |
| Detonators, electric, for blasting  | 1.4B      | UN0255 | II    | 1.4B   | 103              | 63(f),<br>63(g). | 62  | None | Forbidden | 75 kg     | 06 |        |
| Detonators, electric for blasting   | 1.4S      | UN0456 | II    | 1.4S   |                  | 63(f),<br>63(g). | 62  | None | 25 kg     | 100 kg    | 05 |        |
| Detonators for ammunition .....   | 1.1B      | UN0073 | II    | 1.1B   |                  | None             | 62  | None | Forbidden | Forbidden | 11 |        |
| Detonators for ammunition .....   | 1.2B      | UN0364 | II    | 1.2B   |                  | None             | 62  | None | Forbidden | Forbidden | 11 |        |
| Detonators for ammunition .....   | 1.4B      | UN0365 | II    | 1.4B   | 103              | None             | 62  | None | Forbidden | 75 kg     | 06 |        |
| Detonators for ammunition .....   | 1.4S      | UN0366 | II    | 1.4S   |                  | None             | 62  | None | 25 kg     | 100 kg    | 05 |        |
| Detonators, non-electric, for blasting.   | 1.1B      | UN0029 | II    | 1.1B   |                  | None             | 62  | None | Forbidden | Forbidden | 11 |        |
| Detonators, non-electric, for blasting.   | 1.4B      | UN0267 | II    | 1.4B   | 103              | 63(f),<br>63(g). | 62  | None | Forbidden | 75 kg     | 06 |        |
| Detonators, non-electric, for blasting.   | 1.4S      | UN0455 | II    | 1.4S   |                  | 63(f),<br>63(g). | 62  | None | 25 kg     | 100 kg    | 05 |        |
| Deuterium, compressed .....   | 2.1       | UN1957 | ..... | 2.1    | N89              | 306              | 302 | None | Forbidden | 150 kg    | E  | 40     |
| Devices, small, hydrocarbon gas powered or Hydrocarbon gas refills for small devices with release device. | 2.1       | UN3150 | ..... | 2.1    |                  | 306              | 304 | None | 1 kg      | 15 kg     | B  | 40     |
| Di-n-amylamine .....  | 3         | UN2841 | III   | 3, 6.1 | B1, IB3, T4, TP1 | 150              | 203 | 242  | 60 L      | 220 L     | A  |        |
| <i>Di-n-butyl peroxydicarbonate, with more than 52 percent in solution.</i>                               | Forbidden |        |       |        |                  |                  |     |      |           |           |    |        |
| Di-n-butylamine .....   | 8         | UN2248 | II    | 8, 3   | IB2, T7, TP2     | None             | 202 | 243  | 1 L       | 30 L      | A  |        |
| <i>2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution.</i>                           | Forbidden |        |       |        |                  |                  |     |      |           |           |    |        |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)   | Hazard class or Di-<br>vision<br><br>(3) | Identifica-tion Num-bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi-sions (§ 172.102)<br><br>(7) | (8)                     |                      |                  | (9)   |                                  | (10)                   |                    |
|---------------------|--|--|-------------------------------------|---------------|------------------------|--|-------------------------|----------------------|------------------|---|----------------------------------|------------------------|--------------------|
|                     |  |  |                                     |               |                        |  | Packaging (§ 173.***)   |                      |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                  | Vessel stow-age        |                    |
|                     |  |  |                                     |               |                        |  | Excep-tions<br><br>(8A) | Non-bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air-craft only<br><br>(9B) | Loca-tion<br><br>(10A) | Other<br><br>(10B) |
|                     | <i>Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution.</i>   | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid.</i>   | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water.</i>  | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>1,2-Di-(dimethylamino)ethane</i> ....   | 3  | UN2372                              | II            | 3                      | IB2, T4, TP1                               | 150                     | 202                  | 242              | 5 L   | 60 L                             | B                      | .....              |
|                     | <i>Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate.</i>   | .....                                    | .....                               | .....         | .....                  | .....                                      | .....                   | .....                | .....            | .....   | .....                            | .....                  | .....              |
|                     | <i>Di-(1-hydroxytetrazole) (dry)</i> .....   | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Di-(1-naphthoyl) peroxide</i> .....   | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>a,a'-Di-(nitroxy) methylether</i> .....   | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Di-(beta-nitroxyethyl) ammonium nitrate.</i>  | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Diacetone alcohol</i> .....   | 3  | UN1148                              | II            | 3                      | IB2, T4, TP1                               | 150                     | 202                  | 242              | 5 L   | 60 L                             | B                      | .....              |
|                     | .....  | .....                                    | .....                               | III           | 3                      | B1, IB3, T2, TP1                           | 150                     | 203                  | 242              | 60 L  | 220 L                            | A                      | .....              |
|                     | <i>Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass.</i> | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Diacetyl, see Butanedione</i> .....   | .....                                    | .....                               |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Diacetyl peroxide, solid, or with more than 25 percent in solution.</i>   | Forbidden                                |                                     |               | .....                  |  | .....                   | .....                | .....            | .....   |                                  | .....                  |                    |
|                     | <i>Diallylamine</i> .....  | 3  | UN2359                              | II            | 3, 6.1, 8.             | IB2, T7, TP1                               | 150                     | 202                  | 243              | 1 L   | 5 L                              | B                      | 21, 40, 100        |
|                     | <i>Diallylether</i> .....  | 3  | UN2360                              | II            | 3, 6.1                 | IB2, N12, T7, TP1, TP13                    | 150                     | 202                  | 243              | 1 L   | 60 L                             | E                      | 40                 |

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| 4,4'-Diaminodiphenyl methane ..  | 6.1       | UN2651 | III   | 6.1 ..... | IB8, IP3, T1, TP33                                     | 153 ..... | 213 ..... | 240 ..... | 100 kg    | 200 kg    | A     | .....      |
| <i>p</i> -Diazidobenzene .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| 1,2-Diazoethane .....  | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| 1,1'-Diazoaminonaphthalene .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Diazoaminotetrazole (dry) .....  | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Diazodinitrophenol (dry) .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass. | 1.1A      | UN0074 | II    | 1.1A ...  | 111, 117   | None .... | 62 .....  | None .... | Forbidden | Forbidden | 12    | .....      |
| Diazodiphenylmethane .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Diazonium nitrates (dry) .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Diazonium perchlorates (dry) .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| 1,3-Diazopropane .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Dibenzyl peroxydicarbonate, with more than 87 percent with water.  | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| Dibenzylchlorosilane .....   | 8         | UN2434 | II    | 8 .....   | B2, IB2, T7, TP2, TP13                                 | 154 ..... | 202 ..... | 242 ..... | 1 L       | 30 L      | C     | 40         |
| Diborane .....   | 2.3       | UN1911 | ..... | 2.3, 2.1. | 1, N89   | None .... | 302 ..... | None .... | Forbidden | Forbidden | D     | 40, 57     |
| Diborane mixtures .....  | 2.1       | NA1911 | ..... | 2.1 ..... | 5  | None .... | 302 ..... | 245 ..... | Forbidden | Forbidden | D     | 40, 57     |
| Dibromoacetylene .....   | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| 1,2-Dibromobutan-3-one .....   | 6.1       | UN2648 | II    | 6.1 ..... | IB2  | 153 ..... | 202 ..... | 243 ..... | 5 L       | 60 L      | B     | 40         |
| Dibromochloropropane .....   | 6.1       | UN2872 | II    | 6.1 ..... | IB2, T7, TP2   | 153 ..... | 202 ..... | 243 ..... | 5 L       | 60 L      | A     | .....      |
| .....  | .....     | .....  | ..... | .....     | .....  | .....     | .....     | .....     | .....     | .....     | ..... | .....      |
| Dibromodifluoromethane, R12B2  | 9         | UN1941 | III   | 6.1 ..... | IB3, T4, TP1   | 153 ..... | 203 ..... | 241 ..... | 60 L      | 220 L     | A     | .....      |
| 1,2-Dibromoethane, see Ethylene dibromide.   | .....     | .....  | ..... | .....     | T11, TP2   | 155 ..... | 203 ..... | 241 ..... | 100 L     | 220 L     | A     | 25         |
| Dibromomethane .....   | 6.1       | UN2664 | III   | 6.1 ..... | IB3, T4, TP1   | 153 ..... | 203 ..... | 241 ..... | 60 L      | 220 L     | A     | .....      |
| Dibutyl ethers .....   | 3         | UN1149 | III   | 3 .....   | B1, IB3, T2, TP1                                       | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....      |
| Dibutylaminoethanol .....  | 6.1       | UN2873 | III   | 6.1 ..... | IB3, T4, TP1   | 153 ..... | 203 ..... | 241 ..... | 60 L      | 220 L     | A     | .....      |
| <i>N,N</i> -Dichlorazodicarbonamidine (salts of) (dry).  | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |
| 1,1-Dichloro-1-nitroethane .....   | 6.1       | UN2650 | II    | 6.1 ..... | IB2, T7, TP2   | 153 ..... | 202 ..... | 243 ..... | 5 L       | 60 L      | A     | 12, 40, 74 |
| 3,5-Dichloro-2,4,6-trifluoropyridine.  | 6.1       | NA9264 | I     | 6.1 ..... | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | A     | 40         |
| Dichloroacetic acid .....  | 8         | UN1764 | II    | 8 .....   | A3, A6, A7, B2, IB2, N34, T8, TP2, TP12                | 154 ..... | 202 ..... | 242 ..... | 1 L       | 30 L      | A     | .....      |
| 1,3-Dichloroacetone .....  | 6.1       | UN2649 | II    | 6.1 ..... | IB8, IP2, IP4, T3, TP33                                | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | B     | 12, 40     |
| Dichloroacetyl chloride .....  | 8         | UN1765 | II    | 8 .....   | A3, A6, A7, B2, B6, IB2, N34, T7, TP2                  | 154 ..... | 202 ..... | 242 ..... | 1 L       | 30 L      | D     | 40         |
| Dichloroacetylene .....  | Forbidden |        |       | .....     |  | .....     | .....     | .....     | .....     | .....     |       | .....      |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-<br>bols | Hazardous materials descrip-<br>tions and proper shipping<br>names  | Hazard<br>class or Di-<br>vision | Identifica-<br>tion Num-<br>bers | PG    | Label<br>Codes | Special provi-<br>sions<br>(§ 172.102)    | (8)                      |              |              | (9)  |                          | (10)                |               |
|--------------|---|----------------------------------|----------------------------------|-------|----------------|---|--------------------------|--------------|--------------|--|--------------------------|---------------------|---------------|
|              |   |                                  |                                  |       |                |   | Packaging<br>(§ 173.***) |              |              | Quantity limitations<br>(see §§ 173.27 and 175.75) |                          | Vessel stow-<br>age |               |
|              |   |                                  |                                  |       |                |   | Excep-<br>tions          | Non-<br>bulk | Bulk         | Passenger<br>aircraft/rail                         | Cargo air-<br>craft only | Loca-<br>tion       | Other         |
| (1)          | (2)   | (3)                              | (4)                              | (5)   | (6)            | (7)                                       | (8A)                     | (8B)         | (8C)         | (9A)   | (9B)                     | (10A)               | (10B)         |
| +            | Dichloroanilines, liquid .....  | 6.1                              | UN1590                           | II    | 6.1            | IB2, T7, TP2                              | 153                      | 202          | 243          | 5 L  | 60 L                     | A                   | 40            |
|              | Dichloroanilines, solid .....   | 6.1                              | UN3442                           | II    | 6.1            | IB8, IP2, IP4, T3,<br>TP33                | 153                      | 212          | 242          | 25 kg  | 100 kg                   | A                   | 40            |
| +            | o-Dichlorobenzene .....   | 6.1                              | UN1591                           | III   | 6.1            | IB3, T4, TP1                              | 153                      | 203          | 241          | 60 L   | 220 L                    | A                   | .....         |
|              | 2,2'-Dichlorodiethyl ether .....  | 6.1                              | UN1916                           | II    | 6.1, 3         | IB2, N33, N34,<br>T7, TP2                 | 153                      | 202          | 243          | 5 L  | 60 L                     | A                   | .....         |
|              | Dichlorodifluoromethane and<br>difluoroethane azeotropic mix-<br>ture or Refrigerant gas R 500<br>with approximately 74 percent<br>dichlorodifluoromethane. | 2.2                              | UN2602                           | ..... | 2.2            | T50                                       | 306                      | 304          | 314,<br>315. | 75 kg  | 150 kg                   | A                   | .....         |
|              | Dichlorodifluoromethane or Re-<br>frigerant gas R 12.   | 2.2                              | UN1028                           | ..... | 2.2            | T50                                       | 306                      | 304          | 314,<br>315. | 75 kg  | 150 kg                   | A                   | .....         |
|              | Dichlorodimethyl ether, symmet-<br>rical.   | 6.1                              | UN2249                           | I     | 6.1, 3         |   | None                     | 201          | 243          | Forbidden  | Forbidden                |                     | 40            |
|              | 1,1-Dichloroethane .....  | 3                                | UN2362                           | II    | 3              | IB2, T4, TP1                              | 150                      | 202          | 242          | 5 L  | 60 L                     | B                   | 40            |
|              | 1,2-Dichloroethane, see Ethyl-<br>ene dichloride.   | .....                            | .....                            | ..... | .....          | .....                                     | .....                    | .....        | .....        | .....  | .....                    | .....               | .....         |
|              | Dichloroethyl sulfide .....   | Forbidden                        | .....                            | ..... | .....          | .....                                     | .....                    | .....        | .....        | .....  | .....                    | .....               | .....         |
|              | 1,2-Dichloroethylene .....  | 3                                | UN1150                           | II    | 3              | IB2, T7, TP2                              | 150                      | 202          | 242          | 5 L  | 60 L                     | B                   | .....         |
|              | Dichlorofluoromethane or Refrig-<br>erant gas R21.  | 2.2                              | UN1029                           | ..... | 2.2            | T50                                       | 306                      | 304          | 314,<br>315. | 75 kg  | 150 kg                   | A                   | .....         |
|              | Dichloroisocyanuric acid, dry or<br>Dichloroisocyanuric acid salts.   | 5.1                              | UN2465                           | II    | 5.1            | 28, IB8, IP4, T3,<br>TP33                 | 152                      | 212          | 240          | 5 kg   | 25 kg                    | A                   | 13            |
|              | Dichloroisopropyl ether .....   | 6.1                              | UN2490                           | II    | 6.1            | IB2, T7, TP2                              | 153                      | 202          | 243          | 5 L  | 60 L                     | B                   | .....         |
|              | Dichloromethane .....   | 6.1                              | UN1593                           | III   | 6.1            | IB3, IP8, N36,<br>T7, TP2                 | 153                      | 203          | 241          | 60 L   | 220 L                    | A                   | .....         |
|              | Dichloropentanes .....  | 3                                | UN1152                           | III   | 3              | B1, IB3, T2, TP1                          | 150                      | 203          | 242          | 60 L   | 220 L                    | A                   | .....         |
|              | Dichlorophenyl isocyanates .....  | 6.1                              | UN2250                           | II    | 6.1            | IB8, IP2, IP4, T3,<br>TP33                | 153                      | 212          | 242          | 25 kg  | 100 kg                   | B                   | 25, 40,<br>48 |
|              | Dichlorophenyltrichlorosilane .....   | 8                                | UN1766                           | II    | 8              | A7, B2, B6, IB2,<br>N34, T7, TP2,<br>TP13 | None                     | 202          | 242          | Forbidden  | 30 L                     | C                   | 40            |
|              | 1,2-Dichloropropane .....   | 3                                | UN1279                           | II    | 3              | IB2, N36, T4,<br>TP1                      | 150                      | 202          | 242          | 5 L  | 60 L                     | B                   | .....         |
|              | 1,3-Dichloropropanol-2 .....  | 6.1                              | UN2750                           | II    | 6.1            | IB2, T7, TP2                              | 153                      | 202          | 243          | 5 L  | 60 L                     | A                   | 12, 40        |
|              | Dichloropropene and propylene<br>dichloride mixture, see 1,2-<br>Dichloropropane.   | .....                            | .....                            | ..... | .....          | .....                                     | .....                    | .....        | .....        | .....  | .....                    | .....               | .....         |

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| Dichloropropenes .....  | 3         | UN2047 | II 3 .....         | IB2, T4, TP1                    | 150 .....  | 202 ..... | 242 ..... | 5 L       | 60 L      | B     | .....  |
| .....   | .....     | .....  | III 3 .....        | B1, IB3, T2, TP1                | 150 .....  | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....  |
| Dichlorosilane .....  | 2.3       | UN2189 | ..... 2.3, 2.1, 8. | 2, B9, B14                      | None ..... | 304 ..... | 314, 315. | Forbidden | Forbidden | D     | 17, 40 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114.    | 2.2       | UN1958 | ..... 2.2 .....    | T50                             | 306 .....  | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A     | .....  |
| Dichlorovinylchloroarsine .....                                     | Forbidden | .....  | .....              | .....                           | .....      | .....     | .....     | .....     | .....     | ..... | .....  |
| Dicycloheptadiene, see Bicyclo [2,2,1] hepta-2,5-diene, stabilized. | .....     | .....  | .....              | .....                           | .....      | .....     | .....     | .....     | .....     | ..... | .....  |
| Dicyclohexylamine .....   | 8         | UN2565 | III 8 .....        | IB3, T4, TP1                    | 154 .....  | 203 ..... | 241 ..... | 5 L       | 60 L      | A     | .....  |
| Dicyclohexylammonium nitrite .....                                  | 4.1       | UN2687 | III 4.1 .....      | IB8, IP3, T1, TP33              | 151 .....  | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A     | 48     |
| Dicyclopentadiene .....   | 3         | UN2048 | III 3 .....        | B1, IB3, T2, TP1                | 150 .....  | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....  |
| Didymium nitrate .....  | 5.1       | UN1465 | III 5.1 .....      | A1, IB8, IP3, T1, TP33          | 152 .....  | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A     | .....  |
| D Diesel fuel .....   | 3         | NA1993 | III None           | 144, B1, IB3, T4, TP1, TP29     | 150 .....  | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....  |
| I Diesel fuel .....   | 3         | UN1202 | III 3 .....        | 144, B1, IB3, T2, TP1           | 150 .....  | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....  |
| Diethanol nitrosamine dinitrate (dry).                              | Forbidden | .....  | .....              | .....                           | .....      | .....     | .....     | .....     | .....     | ..... | .....  |
| Diethoxymethane .....   | 3         | UN2373 | II 3 .....         | IB2, T4, TP1                    | 150 .....  | 202 ..... | 242 ..... | 5 L       | 60 L      | E     | .....  |
| 3,3-Diethoxypropene .....   | 3         | UN2374 | II 3 .....         | IB2, T4, TP1                    | 150 .....  | 202 ..... | 242 ..... | 5 L       | 60 L      | B     | .....  |
| Diethyl carbonate .....   | 3         | UN2366 | III 3 .....        | B1, IB3, T2, TP1                | 150 .....  | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....  |
| Diethyl cellosolve, see Ethylene glycol diethyl ether.              | .....     | .....  | .....              | .....                           | .....      | .....     | .....     | .....     | .....     | ..... | .....  |
| Diethyl ether or Ethyl ether .....                                  | 3         | UN1155 | I 3 .....          | T11, TP2                        | 150 .....  | 201 ..... | 243 ..... | 1 L       | 30 L      | E     | 40     |
| Diethyl ketone .....  | 3         | UN1156 | II 3 .....         | IB2, T4, TP1                    | 150 .....  | 202 ..... | 242 ..... | 5 L       | 60 L      | B     | .....  |
| Diethyl peroxydicarbonate, with more than 27 percent in solution.   | Forbidden | .....  | .....              | .....                           | .....      | .....     | .....     | .....     | .....     | ..... | .....  |
| Diethyl sulfate .....   | 6.1       | UN1594 | II 6.1 .....       | IB2, T7, TP2                    | 153 .....  | 202 ..... | 243 ..... | 5 L       | 60 L      | C     | .....  |
| Diethyl sulfide .....   | 3         | UN2375 | II 3 .....         | IB2, T7, TP1, TP13              | None ..... | 202 ..... | 243 ..... | 5 L       | 60 L      | E     | .....  |
| Diethylamine .....  | 3         | UN1154 | II 3, 8 .....      | A3, IB2, N34, T7, TP1           | 150 .....  | 202 ..... | 243 ..... | 1 L       | 5 L       | E     | 40     |
| 2-Diethylaminoethanol .....   | 8         | UN2686 | II 8, 3 .....      | B2, IB2, T7, TP2                | None ..... | 202 ..... | 243 ..... | 1 L       | 30 L      | A     | .....  |
| 3-Diethylamino-propylamine. ....                                    | 3         | UN2684 | III 3, 8 .....     | B1, IB3, T4, TP1                | 150 .....  | 203 ..... | 242 ..... | 5 L       | 60 L      | A     | .....  |
| N, N-Diethylaniline .....   | 6.1       | UN2432 | III 6.1 .....      | IB3, T4, TP1                    | 153 .....  | 203 ..... | 241 ..... | 60 L      | 220 L     | A     | .....  |
| Diethylbenzene .....  | 3         | UN2049 | III 3 .....        | B1, IB3, T2, TP1                | 150 .....  | 203 ..... | 242 ..... | 60 L      | 220 L     | A     | .....  |
| Diethyldichlorosilane .....   | 8         | UN1767 | II 8, 3 .....      | A7, B6, IB2, N34, T7, TP2, TP13 | None ..... | 202 ..... | 243 ..... | Forbidden | 30 L      | C     | 40     |
| Diethylene glycol dinitrate .....                                   | Forbidden | .....  | .....              | .....                           | .....      | .....     | .....     | .....     | .....     | ..... | .....  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2)  | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7) | (8)                      |                       |                  | (9)   |                                   | (10)                    |                    |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|---|-----------------------------------|-------------------------|--------------------|
|                     |   |                                       |                                       |               |                        |   | Packaging (§ 173.***)    |                       |                  | Quantity limitations (see §§ 173.27 and 175.75) |                                   | Vessel stow- age        |                    |
|                     |   |                                       |                                       |               |                        |   | Excep- tions<br><br>(8A) | Non- bulk<br><br>(8B) | Bulk<br><br>(8C) | Passenger aircraft/rail<br><br>(9A)             | Cargo air- craft only<br><br>(9B) | Loca- tion<br><br>(10A) | Other<br><br>(10B) |
|                     | Diethyleneglycol dinitrate, de- sensitized with not less than 25 percent non-volatile water- insoluble phlegmatizer, by mass. | 1.1D                                  | UN0075                                | II            | 1.1D ..                |   | None ....                | 62 .....              | None ....        | Forbidden                                       | Forbidden                         | 13                      | 21E                |
|                     | Diethylenetriamine .....  | 8                                     | UN2079                                | II            | 8 .....                | B2, IB2, T7, TP2                            | 154 .....                | 202 .....             | 242 .....        | 1 L   | 30 L                              | A                       | 40, 52             |
|                     | N,N-Diethylethylenediamine .....  | 8                                     | UN2685                                | II            | 8, 3 ....              | IB2, T7, TP2                                | None ....                | 202 .....             | 243 .....        | 1 L   | 30 L                              | A                       | .....              |
|                     | Diethylgold bromide .....   | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Diethylthiophosphoryl chloride ...  | 8                                     | UN2751                                | II            | 8 .....                | B2, IB2, T7, TP2                            | None ....                | 212 .....             | 240 .....        | 15 kg   | 50 kg                             | D                       | 12, 40             |
|                     | Diethylzinc .....   | 4.2                                   | UN1366                                | I             | 4.2, 4.3.              | 173, B11, T21, TP2, TP7                     | None ....                | 181 .....             | 244 .....        | Forbidden                                       | Forbidden                         | D                       | 18                 |
|                     | <i>Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes.</i>   |                                       |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | 1,1-Difluoroethane or Refrig- erant gas R 152a.   | 2.1                                   | UN1030                                | .....         | 2.1 .....              | T50   | 306 .....                | 304 .....             | 314, 315.        | Forbidden                                       | 150 kg                            | B                       | 40                 |
|                     | 1,1-Difluoroethylene or Refrig- erant gas R 1132a.  | 2.1                                   | UN1959                                | .....         | 2.1 .....              |   | 306 .....                | 304 .....             | None ....        | Forbidden                                       | 150 kg                            | E                       | 40                 |
|                     | Difluoromethane or Refrigerant gas R 32.  | 2.1                                   | UN3252                                | .....         | 2.1 .....              | T50   | 306 .....                | 302 .....             | 314, 315.        | Forbidden                                       | 150 kg                            | D                       | 40                 |
|                     | Difluorophosphoric acid, anhy- drous.   | 8                                     | UN1768                                | II            | 8 .....                | A6, A7, B2, IB2, N5, N34, T8, TP2, TP12     | None ....                | 202 .....             | 242 .....        | 1 L   | 30 L                              | A                       | 40                 |
|                     | 2,3-Dihydropyran .....  | 3                                     | UN2376                                | II            | 3 .....                | IB2, T4, TP1                                | 150 .....                | 202 .....             | 242 .....        | 5 L   | 60 L                              | B                       | .....              |
|                     | 1,8-Dihydroxy-2,4,5,7- tetranitroanthraquinone (chrysammnic acid).  | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | <i>Diiodoacetylene</i> .....  | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |
|                     | Diisobutyl ketone .....   | 3                                     | UN1157                                | III           | 3 .....                | B1, IB3, T2, TP1                            | 150 .....                | 203 .....             | 242 .....        | 60 L  | 220 L                             | A                       | .....              |
|                     | Diisobutylamine .....   | 3                                     | UN2361                                | III           | 3, 8 ....              | B1, IB3, T4, TP1                            | 150 .....                | 203 .....             | 242 .....        | 5 L   | 60 L                              | A                       | .....              |
|                     | Diisobutylene, isomeric com- pounds.  | 3                                     | UN2050                                | II            | 3 .....                | IB2, T4, TP1                                | 150 .....                | 202 .....             | 242 .....        | 5 L   | 60 L                              | B                       | .....              |
|                     | Diisooctyl acid phosphate .....   | 8                                     | UN1902                                | III           | 8 .....                | IB3, T4, TP1                                | 154 .....                | 203 .....             | 241 .....        | 5 L   | 60 L                              | A                       | .....              |
|                     | Diisopropyl ether .....   | 3                                     | UN1159                                | II            | 3 .....                | IB2, T4, TP1                                | 150 .....                | 202 .....             | 242 .....        | 5 L   | 60 L                              | E                       | 40                 |
|                     | Diisopropylamine .....  | 3                                     | UN1158                                | II            | 3, 8 ....              | IB2, T7, TP1                                | 150 .....                | 202 .....             | 243 .....        | 1 L   | 5 L                               | B                       | .....              |
|                     | <i>Diisopropylbenzene hydroperoxide, with more than 72 percent in solution.</i>   | Forbidden                             |                                       |               |                        |   |                          |                       |                  |   |                                   |                         |                    |

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|---|-----------|--------|-------|--------|---|------|-----|-----------|-----------|-----------|---|-------------|
| Diketene, stabilized .....  | 6.1       | UN2521 | I     | 6.1, 3 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45      | None | 227 | 244       | Forbidden | Forbidden | D | 26, 27, 40  |
| 1,2-Dimethoxyethane .....   | 3         | UN2252 | II    | 3      | IB2, T4, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | .....       |
| 1,1-Dimethoxyethane .....   | 3         | UN2377 | II    | 3      | IB2, T7, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | .....       |
| Dimethyl carbonate .....  | 3         | UN1161 | II    | 3      | IB2, T4, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | .....       |
| <i>Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride.</i>          |           |        |       |        |   |      |     |           |           |           |   |             |
| <i>2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water.</i> | Forbidden |        |       |        |   |      |     |           |           |           |   |             |
| Dimethyl disulfide .....  | 3         | UN2381 | II    | 3      | IB2, T4, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | 40          |
| Dimethyl ether .....  | 2.1       | UN1033 | ..... | 2.1    | T50   | 306  | 304 | 314, 315. | Forbidden | 150 kg    | B | 40          |
| Dimethyl-N-propylamine .....  | 3         | UN2266 | II    | 3, 8   | IB2, T7, TP2, TP13                                    | 150  | 202 | 243       | 1 L       | 5 L       | B | 40          |
| Dimethyl sulfate .....  | 6.1       | UN1595 | I     | 6.1, 8 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244       | Forbidden | Forbidden | D | 40          |
| Dimethyl sulfide .....  | 3         | UN1164 | II    | 3      | IB2, IP8, T7, TP2                                     | 150  | 202 | 242       | 5 L       | 60 L      | E | 40          |
| Dimethyl thiophosphoryl chloride  | 6.1       | UN2267 | II    | 6.1, 8 | IB2, T7, TP2  | 153  | 202 | 243       | 1 L       | 30 L      | B | 25          |
| Dimethylamine, anhydrous .....  | 2.1       | UN1032 | ..... | 2.1    | N87, T50  | None | 304 | 314, 315. | Forbidden | 150 kg    | D | 40          |
| Dimethylamine solution .....  | 3         | UN1160 | II    | 3, 8   | IB2, T7, TP1  | 150  | 202 | 243       | 1 L       | 5 L       | B | 52.         |
| 2-Dimethylaminoacetonitrile .....   | 3         | UN2378 | II    | 3, 6.1 | IB2, T7, TP1  | 150  | 202 | 243       | 1 L       | 60 L      | A | 40, 52      |
| 2-Dimethylaminoethanol .....  | 8         | UN2051 | II    | 8, 3   | B2, IB2, T7, TP2                                      | 154  | 202 | 243       | 1 L       | 30 L      | A | .....       |
| 2-Dimethylaminoethyl acrylate ...   | 6.1       | UN3302 | II    | 6.1    | IB2, T7, TP2  | 153  | 202 | 243       | 5 L       | 60 L      | D | 25          |
| 2-Dimethylaminoethyl methacrylate.  | 6.1       | UN2522 | II    | 6.1    | IB2, T7, TP2  | 153  | 202 | 243       | 5 L       | 60 L      | B | 40          |
| N,N-Dimethylaniline .....   | 6.1       | UN2253 | II    | 6.1    | IB1, T7, TP2  | 153  | 202 | 243       | 5 L       | 60 L      | A | .....       |
| 2,3-Dimethylbutane .....  | 3         | UN2457 | II    | 3      | IB2, T7, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | E | .....       |
| 1, 3-Dimethylbutylamine .....   | 3         | UN2379 | II    | 3, 8   | IB2, T7, TP1  | 150  | 202 | 243       | 1 L       | 5 L       | B | 52.         |
| Dimethylcarbonyl chloride .....   | 8         | UN2262 | II    | 8      | B2, IB2, T7, TP2                                      | 154  | 202 | 242       | 1 L       | 30 L      | A | 40          |
| Dimethylcyclohexanes .....  | 3         | UN2263 | II    | 3      | IB2, T4, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | .....       |
| N,N-Dimethylcyclohexylamine ...   | 8         | UN2264 | II    | 8, 3   | B2, IB2, T7, TP2                                      | 154  | 202 | 243       | 1 L       | 30 L      | A | 40          |
| Dimethyldichlorosilane .....  | 3         | UN1162 | II    | 3, 8   | B77, IB2, T7, TP2, TP13                               | None | 202 | 243       | Forbidden | Forbidden | B | 40          |
| Dimethyldiethoxysilane .....  | 3         | UN2380 | II    | 3      | IB2, T4, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | .....       |
| Dimethyldioxanes .....  | 3         | UN2707 | II    | 3      | IB2, T4, TP1  | 150  | 202 | 242       | 5 L       | 60 L      | B | .....       |
| .....   |           |        | III   | 3      | B1, IB3, T2, TP1                                      | 150  | 203 | 242       | 60 L      | 220 L     | A | .....       |
| N,N-Dimethylformamide .....   | 3         | UN2265 | III   | 3      | B1, IB3, T2, TP2                                      | 150  | 203 | 242       | 60 L      | 220 L     | A | .....       |
| <i>Dimethylhexane dihydroperoxide (dry).</i>  | Forbidden |        |       |        |   |      |     |           |           |           |   |             |
| Dimethylhydrazine, symmetrical  | 6.1       | UN2382 | I     | 6.1, 3 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244       | Forbidden | Forbidden | D | 40, 52, 74. |

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| Sym-bols<br><br>(1) | Hazardous materials descrip-tions and proper shipping names<br><br>(2) | Hazard class or Di- vision<br><br>(3) | Identifica- tion Num- bers<br><br>(4) | PG<br><br>(5) | Label Codes<br><br>(6) | Special provi- sions (§ 172.102)<br><br>(7)          | (8)                   |                   |              | (9)   |                               | (10)                |                      |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|-----------------------|-------------------|--------------|---|-------------------------------|---------------------|----------------------|
|                     |  |                                       |                                       |               |                        |  | Packaging (§ 173.***) |                   |              | Quantity limitations (see §§ 173.27 and 175.75) |                               | Vessel stow- age    |                      |
|                     |  |                                       |                                       |               |                        |  | Excep- tions<br>(8A)  | Non- bulk<br>(8B) | Bulk<br>(8C) | Passenger aircraft/rail<br>(9A)                 | Cargo air- craft only<br>(9B) | Loca- tion<br>(10A) | Other<br>(10B)       |
|                     | Dimethylhydrazine, unsymmet- rical.                                    | 6.1                                   | UN1163                                | I             | 6.1, 3, 8.             | 2, B7, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None ....             | 227 .....         | 244 .....    | Forbidden                                       | Forbidden                     | D                   | 21, 38, 40, 52, 100. |
|                     | 2,2-Dimethylpropane .....  | 2.1                                   | UN2044                                | .....         | 2.1 .....              |  | 306 .....             | 304 .....         | 314, 315.    | Forbidden                                       | 150 kg                        | E                   | 40                   |
|                     | Dimethylzinc .....   | 4.2                                   | UN1370                                | I             | 4.2, 4.3.              | 173, B11, B16, T21, TP2, TP7                         | None ....             | 181 .....         | 244 .....    | Forbidden                                       | Forbidden                     | D                   | 18                   |
|                     | Dinitro-o-cresol .....   | 6.1                                   | UN1598                                | II            | 6.1 .....              | IB8, IP2, IP4, T3, TP33                              | 153 .....             | 212 .....         | 242 .....    | 25 kg   | 100 kg                        | A                   | .....                |
|                     | <i>1,3-Dinitro-5,5-dimethyl hydantoin.</i>                             | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | <i>Dinitro-7,8-dimethylglycoluril (dry).</i>                           | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | <i>1,3-Dinitro-4,5-dinitrosobenzene</i>                                | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | <i>1,4-Dinitro-1,1,4,4-tetramethylolbutanetetranitrate (dry).</i>      | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | <i>2,4-Dinitro-1,3,5-trimethylbenzene.</i>                             | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | Dinitroanilines .....  | 6.1                                   | UN1596                                | II            | 6.1 .....              | IB8, IP2, IP4, T3, TP33                              | 153 .....             | 212 .....         | 242 .....    | 25 kg   | 100 kg                        | A                   | 91                   |
|                     | Dinitrobenzenes, liquid .....  | 6.1                                   | UN1597                                | II            | 6.1 .....              | 11, IB2, T7, TP2                                     | 153 .....             | 202 .....         | 243 .....    | 5 L   | 60 L                          | A                   | 91                   |
|                     | .....  | .....                                 | .....                                 | .....         | .....                  | .....  | .....                 | .....             | .....        | .....   | .....                         | .....               | .....                |
|                     | Dinitrobenzenes, solid .....   | 6.1                                   | UN3443                                | III           | 6.1 .....              | 11, IB3, T7, TP2                                     | 153 .....             | 203 .....         | 241 .....    | 60 L  | 220 L                         | A                   | 91                   |
|                     | .....  | .....                                 | .....                                 | .....         | .....                  | .....  | .....                 | .....             | .....        | .....   | .....                         | .....               | .....                |
|                     | <i>Dinitrochlorobenzene, see Chlorodinitrobenzene.</i>                 | .....                                 |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | <i>1,2-Dinitroethane</i> .....   | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | <i>1,1-Dinitroethane (dry)</i> .....                                   | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | Dinitrogen tetroxide .....   | 2.3                                   | UN1067                                | .....         | 2.3, 5.1, 8.           | 1, B7, B14, B45, B46, B61, B66, B67, B77, T50, TP21  | None ....             | 336 .....         | 314 .....    | Forbidden                                       | Forbidden                     | D                   | 40, 89, 90           |
|                     | Dinitroglycoluril or Dingu .....                                       | 1.1D                                  | UN0489                                | II            | 1.1D ..                |  | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 10                  | .....                |
|                     | <i>Dinitromethane</i> .....  | Forbidden                             |                                       |               | .....                  |  | .....                 | .....             | .....        | .....   | .....                         |                     | .....                |
|                     | Dinitrophenol, dry or wetted with less than 15 percent water, by mass. | 1.1D                                  | UN0076                                | II            | 1.1D, 6.1.             |  | None ....             | 62 .....          | None ....    | Forbidden                                       | Forbidden                     | 10                  | 5E                   |

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|--|-----------|--------|-----|------------|--|------------|-----------|------------|-----------|-----------|----|--------|
| Dinitrophenol solutions .....  | 6.1       | UN1599 | II  | 6.1 .....  | IB2, T7, TP2                                 | 153 .....  | 202 ..... | 243 .....  | 5 L       | 60 L      | A  | 36     |
| .....  | .....     | .....  | III | 6.1 .....  | IB3, T4, TP1                                 | 153 .....  | 203 ..... | 241 .....  | 60 L      | 220 L     | A  | 36     |
| Dinitrophenol, wetted with not less than 15 percent water, by mass.                      | 4.1       | UN1320 | I   | 4.1, 6.1.  | 23, A8, A19, A20, N41                        | None ..... | 211 ..... | None ..... | 1 kg      | 15 kg     | E  | 28, 36 |
| Dinitrophenolates alkali metals, dry or wetted with less than 15 percent water, by mass. | 1.3C      | UN0077 | II  | 1.3C, 6.1. |  | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | 10 | 5E     |
| Dinitrophenolates, wetted with not less than 15 percent water, by mass.                  | 4.1       | UN1321 | I   | 4.1, 6.1.  | 23, A8, A19, A20, N41                        | None ..... | 211 ..... | None ..... | 1 kg      | 15 kg     | E  | 28, 36 |
| Dinitropropylene glycol .....  | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass.               | 1.1D      | UN0078 | II  | 1.1D ..    |  | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | 10 | 5E     |
| 2,4-Dinitroresorcinol (heavy metal salts of) (dry).                                      | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| 4,6-Dinitroresorcinol (heavy metal salts of) (dry).                                      | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| Dinitroresorcinol, wetted with not less than 15 percent water, by mass.                  | 4.1       | UN1322 | I   | 4.1 .....  | 23, A8, A19, A20, N41                        | None ..... | 211 ..... | None ..... | 1 kg      | 15 kg     | E  | 28, 36 |
| 3,5-Dinitrosalicylic acid (lead salt) (dry).   | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| Dinitrosobenzene .....   | 1.3C      | UN0406 | II  | 1.3C ..    |  | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | 10 | .....  |
| Dinitrosobenzylamine and salts of (dry).   | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| 2,2-Dinitrostilbene .....  | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| Dinitrotoluenes, liquid .....  | 6.1       | UN2038 | II  | 6.1 .....  | IB2, T7, TP2                                 | 153 .....  | 202 ..... | 243 .....  | 5 L       | 60 L      | A  | .....  |
| Dinitrotoluenes, molten .....  | 6.1       | UN1600 | II  | 6.1 .....  | T7, TP3                                      | None ..... | 202 ..... | 243 .....  | Forbidden | Forbidden | C  | .....  |
| Dinitrotoluenes, solid .....   | 6.1       | UN3454 | II  | 6.1 .....  | IB8, IP2, IP4, T3, TP33                      | 153 .....  | 212 ..... | 242 .....  | 25 kg     | 100 kg    | A  | .....  |
| 1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry).                                    | Forbidden |        |     |            |  |            |           |            |           |           |    |        |
| Dioxane .....  | 3         | UN1165 | II  | 3 .....    | IB2, T4, TP1                                 | 150 .....  | 202 ..... | 242 .....  | 5 L       | 60 L      | B  | .....  |
| Dioxolane .....  | 3         | UN1166 | II  | 3 .....    | IB2, T4, TP1                                 | 150 .....  | 202 ..... | 242 .....  | 5 L       | 60 L      | B  | 40     |
| Dipentene .....  | 3         | UN2052 | III | 3 .....    | B1, IB3, T2, TP1                             | 150 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A  | .....  |
| Diphenylamine chloroarsine .....   | 6.1       | UN1698 | I   | 6.1 .....  | T6, TP33                                     | None ..... | 201 ..... | None ..... | Forbidden | Forbidden | D  | 40     |
| Diphenylchloroarsine, liquid .....   | 6.1       | UN1699 | I   | 6.1 .....  | A8, B14, B32, N33, N34, T14, TP2, TP13, TP27 | None ..... | 201 ..... | 243 .....  | Forbidden | 30 L      | D  | 40     |
| Diphenylchloroarsine, solid .....  | 6.1       | UN3450 | I   | 6.1 .....  | IB7, IP1, T6, TP33                           | None ..... | 211 ..... | 242 .....  | 5 kg      | 50 kg     | D  | 40     |
| Diphenyldichlorosilane .....   | 8         | UN1769 | II  | 8 .....    | A7, B2, IB2, N34, T7, TP2, TP13              | None ..... | 202 ..... | 242 .....  | Forbidden | 30 L      | C  | 40     |
| Diphenylmethyl bromide .....   | 8         | UN1770 | II  | 8 .....    | IB8, IP2, IP4, T3, TP33                      | 154 .....  | 212 ..... | 240 .....  | 15 kg     | 50 kg     | D  | 40     |
| Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass.                | 1.1D      | UN0401 | II  | 1.1D ..    |  | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | 10 | .....  |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                      | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102)    | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|--|----------------------------|----------------------------|-------|-------------|-------------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |  |                            |                            |       |             |                                     | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |  |                            |                            |       |             |                                     | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          | Dipicryl sulfide, <i>dry or wetted with less than 10 percent water, by mass.</i> | 1.1D                       | UN0401                     | II    | 1.1D ..     |                                     | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | ..... |
|          | Dipicryl sulfide, <i>wetted with not less than 10 percent water, by mass.</i>    | 4.1                        | UN2852                     | I     | 4.1 .....   | 162, A2, N41, N84                   | None ....             | 211 ..... | None .... | Forbidden                                       | 0.5 kg                | D                | 28    |
|          | Dipicrylamine, <i>see Hexanitrodiphenylamine.</i>                                | .....                      | .....                      | ..... | .....       | .....                               | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
|          | <i>Dipropionyl peroxide, with more than 28 percent in solution.</i>              | Forbidden                  | .....                      | ..... | .....       | .....                               | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
|          | Di-n-propyl ether .....  | 3                          | UN2384                     | II    | 3 .....     | IB2, T4, TP1                        | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | ..... |
|          | Dipropyl ketone .....  | 3                          | UN2710                     | III   | 3 .....     | B1, IB3, T2, TP1                    | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | ..... |
|          | Dipropylamine .....  | 3                          | UN2383                     | II    | 3, 8 .....  | IB2, T7, TP1                        | 150 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | ..... |
| G        | Disinfectant, liquid, corrosive, n.o.s..   | 8                          | UN1903                     | I     | 8 .....     | A6, A7, B10, T14, TP2, TP27         | None ....             | 201 ..... | 243 ..... | 0.5 L   | 2.5 L                 | B                | ..... |
| G        | Disinfectants, liquid, corrosive n.o.s..   | 8                          | UN1903                     | II    | 8 .....     | B2, IB2, T7, TP2                    | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | B                | ..... |
|          | .....  | .....                      | .....                      | III   | 8 .....     | IB3, T4, TP1                        | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | ..... |
| G        | Disinfectants, liquid, toxic, n.o.s.   | 6.1                        | UN3142                     | I     | 6.1 .....   | A4, T14, TP2, TP27                  | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | A                | 40    |
|          | .....  | .....                      | .....                      | II    | 6.1 .....   | IB2, T11, TP2, TP27                 | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | A                | 40    |
|          | .....  | .....                      | .....                      | III   | 6.1 .....   | IB3, T7, TP1, TP28                  | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | 40    |
| G        | Disinfectants, solid, toxic, n.o.s.  | 6.1                        | UN1601                     | I     | 6.1 .....   | IB7, IP1, T6, TP33                  | None ....             | 211 ..... | 242 ..... | 5 kg  | 50 kg                 | A                | 40    |
|          | .....  | .....                      | .....                      | II    | 6.1 .....   | IB8, IP2, IP4, T3, TP33             | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                | 40    |
|          | .....  | .....                      | .....                      | III   | 6.1 .....   | IB8, IP3, T1, TP33                  | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                | 40    |
|          | Disodium trioxosilicate .....  | 8                          | UN3253                     | III   | 8 .....     | IB8, IP3, T1, TP33                  | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | 52.   |
| G        | Dispersant gases, n.o.s. <i>see Refrigerant gases, n.o.s..</i>                   | .....                      | .....                      | ..... | .....       | .....                               | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
|          | Divinyl ether, stabilized .....  | 3                          | UN1167                     | I     | 3 .....     | A7, T11, TP2                        | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | E                | 40    |
|          | Dodecyltrichlorosilane .....   | 8                          | UN1771                     | II    | 8 .....     | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None ....             | 202 ..... | 242 ..... | Forbidden                                       | 30 L                  | C                | 40    |
|          | Dry ice, <i>see Carbon dioxide, solid.</i>                                       | .....                      | .....                      | ..... | .....       | .....                               | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |

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|---|---|-----|--------|-------|-----|-------|-----------------------------|------------|-------|------|-------|-----|-------|-----------|-----------|---|-------|--|
| G | Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corrosive, n.o.s..  | 8   | UN2801 | I     | 8   | ..... | 11, A6, B10, T14, TP2, TP27 | None       | ..... | 201  | ..... | 243 | ..... | 0.5 L     | 2.5 L     | A | ..... |  |
|   |   |     |        | II    | 8   | ..... | 11, B2, IB2, T11, TP2, TP27 | 154        | ..... | 202  | ..... | 242 | ..... | 1 L       | 30 L      | A | ..... |  |
|   |   |     |        | III   | 8   | ..... | 11, IB3, T7, TP1, TP28      | 154        | ..... | 203  | ..... | 241 | ..... | 5 L       | 60 L      | A | ..... |  |
| G | Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s..  | 6.1 | UN1602 | I     | 6.1 | ..... |                             | None       | ..... | 201  | ..... | 243 | ..... | 1 L       | 30 L      | A | ..... |  |
|   |   |     |        | II    | 6.1 | ..... | IB2                         | 153        | ..... | 202  | ..... | 243 | ..... | 5 L       | 60 L      | A | ..... |  |
|   |   |     |        | III   | 6.1 | ..... | IB3                         | 153        | ..... | 203  | ..... | 241 | ..... | 60 L      | 220 L     | A | ..... |  |
| G | Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s..  | 8   | UN3147 | I     | 8   | ..... | IB7, IP1, T6, TP33          | None       | ..... | 211  | ..... | 242 | ..... | 1 kg      | 25 kg     | A | ..... |  |
|   |   |     |        | II    | 8   | ..... | IB8, IP2, IP4, T3, TP33     | 154        | ..... | 212  | ..... | 240 | ..... | 15 kg     | 50 kg     | A | ..... |  |
|   |   |     |        | III   | 8   | ..... | IB8, IP3, T1, TP33          | 154        | ..... | 213  | ..... | 240 | ..... | 25 kg     | 100 kg    | A | ..... |  |
| G | Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s..  | 6.1 | UN3143 | I     | 6.1 | ..... | A5, IB7, IP1, T6, TP33      | None       | ..... | 211  | ..... | 242 | ..... | 5 kg      | 50 kg     | A | ..... |  |
|   |   |     |        | II    | 6.1 | ..... | IB8, IP2, IP4, T3, TP33     | 153        | ..... | 212  | ..... | 242 | ..... | 25 kg     | 100 kg    | A | ..... |  |
|   |   |     |        | III   | 6.1 | ..... | IB8, IP3, T1, TP33          | 153        | ..... | 213  | ..... | 240 | ..... | 100 kg    | 200 kg    | A | ..... |  |
|   | <i>Dynamite, see Explosive, blasting, type A.</i>   |     |        |       |     |       |                             |            |       |      |       |     |       |           |           |   |       |  |
|   | <i>Electrolyte (acid or alkali) for batteries, see Battery fluid, acid or Battery fluid, alkali.</i>                            |     |        |       |     |       |                             |            |       |      |       |     |       |           |           |   |       |  |
|   | Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point.                     | 3   | UN3256 | III   | 3   | ..... | IB1, T3, TP3, TP29          | None       | ..... | None | ..... | 247 | ..... | Forbidden | Forbidden | A | ..... |  |
|   | Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.). | 9   | UN3257 | III   | 9   | ..... | IB1, T3, TP3, TP29          | None       | ..... | None | ..... | 247 | ..... | Forbidden | Forbidden | A | 85    |  |
|   | Elevated temperature solid, n.o.s., at or above 240 C, see § 173.247(h)(4).   | 9   | UN3258 | III   | 9   | ..... |                             | 247(h)(4). | ..... | None | ..... | 247 | ..... | Forbidden | Forbidden | A | 85    |  |
|   | Engines, internal combustion, flammable gas powered.  | 9   | UN3166 | ..... | 9   | ..... | 135                         | 220        | ..... | 220  | ..... | 220 | ..... | Forbidden | No limit  | A | ..... |  |
|   | Engines, internal combustion, flammable liquid powered.   | 9   | UN3166 | ..... | 9   | ..... | 135                         | 220        | ..... | 220  | ..... | 220 | ..... | No limit  | No limit  | A | ..... |  |
| G | Environmentally hazardous substances, liquid, n.o.s..   | 9   | UN3082 | III   | 9   | ..... | 8, 146, IB3, T4, TP1, TP29  | 155        | ..... | 203  | ..... | 241 | ..... | No limit  | No limit  | A | ..... |  |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102)     | (8)                   |            |           | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-------|-------------|--------------------------------------|-----------------------|------------|-----------|---|-----------------------|------------------|-------|
|          |   |                            |                            |       |             |                                      | Packaging (§ 173.***) |            |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |       |             |                                      | Excep- tions          | Non- bulk  | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| G        | Environmentally hazardous sub- stances, solid, n.o.s..  | 9                          | UN3077                     | III   | 9 .....     | 8, 146, B54, IB8, IP3, N20, T1, TP33 | 155 .....             | 213 .....  | 240 ..... | No limit  | No limit              | A                | ..... |
| +        | Epibromohydrin .....  | 6.1                        | UN2558                     | I     | 6.1, 3      | T14, TP2, TP13                       | None .....            | 201 .....  | 243 ..... | Forbidden                                       | Forbidden             | D                | 40    |
|          | Epichlorohydrin .....   | 6.1                        | UN2023                     | II    | 6.1, 3      | IB2, T7, TP2, TP13                   | 153 .....             | 202 .....  | 243 ..... | 5 L   | 60 L                  | A                | 40    |
|          | 1,2-Epoxy-3-ethoxypropane .....   | 3                          | UN2752                     | III   | 3 .....     | B1, IB3, T2, TP1                     | 150 .....             | 203 .....  | 242 ..... | 60 L  | 220 L                 | A                | ..... |
|          | Esters, n.o.s. ....   | 3                          | UN3272                     | II    | 3 .....     | IB2, T7, TP1, TP8, TP28              | 150 .....             | 202 .....  | 242 ..... | 5 L   | 60 L                  | B                | ..... |
|          | .....   |                            |                            | III   | 3 .....     | B1, IB3, T4, TP1, TP29               | 150 .....             | 203 .....  | 242 ..... | 60 L  | 220 L                 | A                | ..... |
|          | <i>Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc.</i>  |                            |                            |       |             |                                      |                       |            |           |   |                       |                  |       |
| D        | Ethane .....  | 2.1                        | UN1035                     | ..... | 2.1 .....   |                                      | 306 .....             | 304 .....  | 302 ..... | Forbidden                                       | 150 kg                | E                | 40    |
|          | Ethane-Propane mixture, refrigerated liquid.  | 2.1                        | NA1961                     | ..... | 2.1 .....   | T75, TP5                             | None .....            | 316 .....  | 314, 315. | Forbidden                                       | Forbidden             | D                | 40    |
|          | Ethane, refrigerated liquid .....   | 2.1                        | UN1961                     | ..... | 2.1 .....   | T75, TP5                             | None .....            | None ..... | 315 ..... | Forbidden                                       | Forbidden             | D                | 40    |
|          | <i>Ethanol amine dinitrate</i> .....  | Forbidden                  |                            |       |             |                                      |                       |            |           |   |                       |                  |       |
|          | Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol. | 3                          | UN3475                     | II    | 3 .....     | 144, 177, IB2, T4, TP1               | 150 .....             | 202 .....  | 242 ..... | 5 L   | 60 L                  | E                | ..... |
|          | Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions.   | 3                          | UN1170                     | II    | 3 .....     | 24, IB2, T4, TP1                     | 150 .....             | 202 .....  | 242 ..... | 5 L   | 60 L                  | A                | ..... |
|          | .....   |                            |                            | III   | 3 .....     | 24, B1, IB3, T2, TP1                 | 150 .....             | 203 .....  | 242 ..... | 60 L  | 220 L                 | A                | ..... |
|          | Ethanolamine or Ethanolamine solutions.   | 8                          | UN2491                     | III   | 8 .....     | IB3, T4, TP1                         | 154 .....             | 203 .....  | 241 ..... | 5 L   | 60 L                  | A                | 52.   |
|          | <i>Ether, see Diethyl ether</i> .....   |                            |                            |       |             |                                      |                       |            |           |   |                       |                  |       |
|          | Ethers, n.o.s. ....   | 3                          | UN3271                     | II    | 3 .....     | IB2, T7, TP1, TP8, TP28              | 150 .....             | 202 .....  | 242 ..... | 5 L   | 60 L                  | B                | ..... |
|          | .....   |                            |                            | III   | 3 .....     | B1, IB3, T4, TP1, TP29               | 150 .....             | 203 .....  | 242 ..... | 60 L  | 220 L                 | A                | ..... |
|          | Ethyl acetate .....   | 3                          | UN1173                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 .....  | 242 ..... | 5 L   | 60 L                  | B                | ..... |
|          | Ethyl acrylate, stabilized .....  | 3                          | UN1917                     | II    | 3 .....     | IB2, T4, TP1, TP13                   | 150 .....             | 202 .....  | 242 ..... | 5 L   | 60 L                  | B                | 40    |
|          | Ethyl alcohol, see Ethanol .....  |                            |                            |       |             |                                      |                       |            |           |   |                       |                  |       |
|          | <i>Ethyl aldehyde, see Acetaldehyde.</i>  |                            |                            |       |             |                                      |                       |            |           |   |                       |                  |       |

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| Ethyl amyl ketone .....                        | 3         | UN2271 | III   | 3          | B1, IB3, T2, TP1                                       | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....       |
| N-Ethylbenzyltoluidines, solid .....           | 6.1       | UN3460 | III   | 6.1        | IB8, IP3, T1, TP33                                     | 153   | 213   | 240       | 100 kg    | 200 kg    | A     | .....       |
| N-Ethyl-N-benzylaniline .....                  | 6.1       | UN2274 | III   | 6.1        | IB3, T4, TP1   | 153   | 203   | 241       | 60 L      | 220 L     | A     | .....       |
| Ethyl borate .....                             | 3         | UN1176 | II    | 3          | IB2, T4, TP1   | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....       |
| Ethyl bromide .....                            | 6.1       | UN1891 | II    | 6.1        | IB2, IP8, T7, TP2, TP13                                | 153   | 202   | 243       | 5 L       | 60 L      | B     | 40, 85      |
| Ethyl bromoacetate .....                       | 6.1       | UN1603 | II    | 6.1, 3     | IB2, T7, TP2   | None  | 202   | 243       | Forbidden | Forbidden | D     | 40          |
| Ethyl butyl ether .....                        | 3         | UN1179 | II    | 3          | B1, IB2, T4, TP1                                       | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....       |
| Ethyl butyrate .....                           | 3         | UN1180 | III   | 3          | B1, IB3, T2, TP1                                       | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....       |
| Ethyl chloride .....                           | 2.1       | UN1037 | ..... | 2.1        | B77, N86, T50  | None  | 322   | 314, 315. | Forbidden | 150 kg    | B     | 40          |
| Ethyl chloroacetate .....                      | 6.1       | UN1181 | II    | 6.1, 3     | IB2, T7, TP2   | 153   | 202   | 243       | 5 L       | 60 L      | A     | .....       |
| Ethyl chloroformate .....                      | 6.1       | UN1182 | I     | 6.1, 3, 8. | 2, B9, B14, B32, B74, N34, T20, TP2, TP13, TP38, TP45  | None  | 227   | 244       | Forbidden | Forbidden | D     | 21, 40, 100 |
| Ethyl 2-chloropropionate .....                 | 3         | UN2935 | III   | 3          | B1, IB3, T2, TP1                                       | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....       |
| + Ethyl chloroethoformate .....                | 8         | UN2826 | II    | 8, 6.1, 3. | 2, B9, B14, B32, B74, T20, TP2, TP38, TP45             | None  | 227   | 244       | Forbidden | Forbidden | A     | 40          |
| Ethyl crotonate .....                          | 3         | UN1862 | II    | 3          | IB2, T4, TP2   | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....       |
| Ethyl ether, see Diethyl ether .....           | .....     | .....  | ..... | .....      | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....       |
| Ethyl fluoride or Refrigerant gas R161.        | 2.1       | UN2453 | ..... | 2.1        | .....  | 306   | 304   | 314, 315. | Forbidden | 150 kg    | E     | 40          |
| Ethyl formate .....                            | 3         | UN1190 | II    | 3          | IB2, T4, TP1   | 150   | 202   | 242       | 5 L       | 60 L      | E     | .....       |
| Ethyl hydroperoxide .....                      | Forbidden | .....  | ..... | .....      | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....       |
| Ethyl isobutyrate .....                        | 3         | UN2385 | II    | 3          | IB2, T4, TP1   | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....       |
| + Ethyl isocyanate .....                       | 3         | UN2481 | I     | 3, 6.1     | 1, B9, B14, B30, B74, T22, TP2, TP13, TP38, TP44       | None  | 226   | 244       | Forbidden | Forbidden | D     | 40, 52      |
| Ethyl lactate .....                            | 3         | UN1192 | III   | 3          | B1, IB3, T2, TP1                                       | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....       |
| Ethyl mercaptan .....                          | 3         | UN2363 | I     | 3          | A6, T11, TP2, TP13                                     | None  | 201   | 243       | Forbidden | 30 L      | E     | 95, 102     |
| Ethyl methacrylate, stabilized .....           | 3         | UN2277 | II    | 3          | IB2, T4, TP1   | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....       |
| Ethyl methyl ether .....                       | 2.1       | UN1039 | ..... | 2.1        | .....  | None  | 201   | 314, 315. | Forbidden | 150 kg    | B     | 40          |
| Ethyl methyl ketone or Methyl ethyl ketone.    | 3         | UN1193 | II    | 3          | IB2, T4, TP1   | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....       |
| Ethyl nitrite solutions .....                  | 3         | UN1194 | I     | 3, 6.1     | .....  | None  | 201   | None      | Forbidden | Forbidden | E     | 40, 105     |
| Ethyl orthoformate .....                       | 3         | UN2524 | III   | 3          | B1, IB3, T2, TP1                                       | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....       |
| Ethyl oxalate .....                            | 6.1       | UN2525 | III   | 6.1        | IB3, T4, TP1   | 153   | 203   | 241       | 60 L      | 220 L     | A     | .....       |
| Ethyl perchlorate .....                        | Forbidden | .....  | ..... | .....      | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....       |
| D Ethyl phosphonothioic dichloride, anhydrous. | 6.1       | NA2927 | I     | 6.1, 8     | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None  | 227   | 244       | Forbidden | Forbidden | D     | 40          |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                       | (8)                   |           |           | (9)   |                       | (10)             |                     |
|----------|---|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|-----------|---|-----------------------|------------------|---------------------|
|          |   |                            |                            |     |             |  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                     |
|          |   |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other               |
| D        | Ethyl phosphonous dichloride, anhydrous <i>pyrophoric liquid</i> .  | 6.1                        | NA2845                     | I   | 6.1, 4.2.   | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 18                  |
| D        | Ethyl phosphorodichloridate .....   | 6.1                        | NA2927                     | I   | 6.1, 8      | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40                  |
|          | Ethyl propionate .....  | 3                          | UN1195                     | II  | 3 .....     | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....               |
|          | Ethyl propyl ether .....  | 3                          | UN2615                     | II  | 3 .....     | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | E                | .....               |
|          | <i>Ethyl silicate, see Tetraethyl sili- cate.</i>   |                            |                            |     |             |  |                       |           |           |   |                       |                  |                     |
|          | Ethylacetylene, stabilized .....  | 2.1                        | UN2452                     |     | 2.1 .....   | N88  | None ....             | 304 ..... | 314, 315. | Forbidden                                       | 150 kg                | B                | 40                  |
|          | Ethylamine .....  | 2.1                        | UN1036                     |     | 2.1 .....   | B77, N87, T50  | None ....             | 321 ..... | 314, 315. | Forbidden                                       | 150 kg                | D                | 40                  |
|          | Ethylamine, aqueous solution <i>with not less than 50 percent but not more than 70 percent ethylamine.</i>  | 3                          | UN2270                     | II  | 3, 8 .....  | IB2, T7, TP1   | 150 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | 40, 52.             |
|          | N-Ethylaniline .....  | 6.1                        | UN2272                     | III | 6.1 .....   | IB3, T4, TP1   | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | 52, 74              |
|          | 2-Ethylaniline .....  | 6.1                        | UN2273                     | III | 6.1 .....   | IB3, T4, TP1   | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | 52, 74              |
|          | Ethylbenzene .....  | 3                          | UN1175                     | II  | 3 .....     | IB2, T4, TP1   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....               |
|          | N-Ethylbenzyltoluidines liquid ....   | 6.1                        | UN2753                     | III | 6.1 .....   | IB3, T7, TP1   | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | .....               |
|          | 2-Ethylbutanol .....  | 3                          | UN2275                     | III | 3 .....     | B1, IB3, T2, TP1                                       | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....               |
|          | 2-Ethylbutyl acetate .....  | 3                          | UN1177                     | III | 3 .....     | B1, IB3, T2, TP1                                       | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....               |
|          | 2-Ethylbutylaldehyde .....  | 3                          | UN1178                     | II  | 3 .....     | B1, IB2, T4, TP1                                       | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....               |
|          | Ethyldichloroarsine .....   | 6.1                        | UN1892                     | I   | 6.1 .....   | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45       | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40                  |
|          | Ethyldichlorosilane .....   | 4.3                        | UN1183                     | I   | 4.3, 8, 3.  | A2, A3, A7, N34, T10, TP2, TP7, TP13                   | None ....             | 201 ..... | 244 ..... | Forbidden                                       | 1 L                   | D                | 21, 28, 40, 49, 100 |
|          | Ethylene, acetylene and propylene in mixture, refrigerated liquid <i>with at least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene.</i> | 2.1                        | UN3138                     |     | 2.1 .....   | T75, TP5   | None ....             | 304 ..... | 314, 315. | Forbidden                                       | Forbidden             | D                | 40, 57              |

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|--|-----------|--------|-------|-----------|---|-----------|-----------|-----------|-----------|-----------|---|-------|
| Ethylene chlorohydrin .....  | 6.1       | UN1135 | I     | 6.1, 3    | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45      | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 40    |
| Ethylene .....   | 2.1       | UN1962 | ..... | 2.1 ..... |   | 306 ..... | 304 ..... | 302 ..... | Forbidden | 150 kg    | E | 40    |
| Ethylene diamine diperchlorate   | Forbidden |        |       |           |   |           |           |           |           |           |   |       |
| Ethylene dibromide .....   | 6.1       | UN1605 | I     | 6.1 ..... | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 40    |
| Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures. |           |        |       |           |   |           |           |           |           |           |   |       |
| Ethylene dichloride .....  | 3         | UN1184 | II    | 3, 6.1    | IB2, N36, T7, TP1                                     | 150 ..... | 202 ..... | 243 ..... | 1 L       | 60 L      | B | 40    |
| Ethylene glycol diethyl ether .....  | 3         | UN1153 | II    | 3 .....   | IB2, T4, TP1  | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | A | ..... |
| .....  |           |        | III   | 3 .....   | B1, IB3, T2, TP1                                      | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A | ..... |
| Ethylene glycol dinitrate .....  | Forbidden |        |       |           |   |           |           |           |           |           |   |       |
| Ethylene glycol monoethyl ether  | 3         | UN1171 | III   | 3 .....   | B1, IB3, T2, TP1                                      | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A | ..... |
| Ethylene glycol monoethyl ether acetate.   | 3         | UN1172 | III   | 3 .....   | B1, IB3, T2, TP1                                      | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A | ..... |
| Ethylene glycol monomethyl ether.  | 3         | UN1188 | III   | 3 .....   | B1, IB3, T2, TP1                                      | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A | ..... |
| Ethylene glycol monomethyl ether acetate.  | 3         | UN1189 | III   | 3 .....   | B1, IB3, T2, TP1                                      | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A | ..... |
| Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide.                                | 2.3       | UN3300 | ..... | 2.3, 2.1. | 4   | None .... | 304 ..... | 314, 315. | Forbidden | Forbidden | D | 40    |
| Ethylene oxide and carbon dioxide mixtures with more than 9 percent but not more than 87 percent ethylene oxide.   | 2.1       | UN1041 | ..... | 2.1 ..... | T50   | 306 ..... | 304 ..... | 314, 315. | Forbidden | 25 kg     | B | 40    |
| Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide.                            | 2.2       | UN1952 | ..... | 2.2 ..... |   | 306 ..... | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A | ..... |
| Ethylene oxide and chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide.                  | 2.2       | UN3297 | ..... | 2.2 ..... | T50   | 306 ..... | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A | ..... |
| Ethylene oxide and dichlorodifluoromethane mixture, with not more than 12.5 percent ethylene oxide.                | 2.2       | UN3070 | ..... | 2.2 ..... | T50   | 306 ..... | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A | ..... |
| Ethylene oxide and pentafluoroethane mixture with not more than 7.9 percent ethylene oxide.                        | 2.2       | UN3298 | ..... | 2.2 ..... | T50   | 306 ..... | 304 ..... | 314, 315. | 75 kg     | 150 kg    | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102)                                | (8)                   |           |           | (9)   |                       | (10)             |                         |
|----------|---|----------------------------|----------------------------|-------|-------------|---|-----------------------|-----------|-----------|---|-----------------------|------------------|-------------------------|
|          |   |                            |                            |       |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                         |
|          |   |                            |                            |       |             |   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                   |
|          | Ethylene oxide and propylene oxide mixtures, with not more than 30 percent ethylene oxide.              | 3                          | UN2983                     | I     | 3, 6.1      | 5, A11, N4, N34, T14, TP2, TP7, TP13                            | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 30 L                  | E                | 40                      |
|          | Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide.             | 2.2                        | UN3299                     | ..... | 2.2 .....   | T50   | 306 .....             | 304 ..... | 314, 315. | 75 kg   | 150 kg                | A                | .....                   |
|          | Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1MPa (10 bar) at 50 degrees C. | 2.3                        | UN1040                     | ..... | 2.3, 2.1.   | 4, A59, T50, TP20   | None ....             | 323 ..... | 323 ..... | Forbidden                                       | Forbidden             | D                | 40                      |
|          | Ethylene, refrigerated liquid (cryogenic liquid).   | 2.1                        | UN1038                     | ..... | 2.1 .....   | T75, TP5  | None ....             | 316 ..... | 318, 319. | Forbidden                                       | Forbidden             | D                | 40                      |
|          | Ethylenediamine .....   | 8                          | UN1604                     | II    | 8, 3 .....  | IB2, T7, TP2  | 154 .....             | 202 ..... | 243 ..... | 1 L   | 30 L                  | A                | 40, 52.                 |
|          | Ethyleneimine, stabilized .....   | 6.1                        | UN1185                     | I     | 6.1, 3      | 1, B9, B14, B30, B72, B77, N25, N32, T22, TP2, TP13, TP38, TP44 | None ....             | 226 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40                      |
|          | <i>Ethylhexaldehyde, see Octyl aldehydes etc.</i>   | .....                      | .....                      | ..... | .....       | .....   | .....                 | .....     | .....     | .....   | .....                 | .....            | .....                   |
|          | 2-Ethylhexyl chloroformate .....  | 6.1                        | UN2748                     | II    | 6.1, 8      | IB2, T7, TP2, TP13  | 153 .....             | 202 ..... | 243 ..... | 1 L   | 30 L                  | A                | 12, 13, 21, 25, 40, 100 |
|          | 2-Ethylhexylamine .....   | 3                          | UN2276                     | III   | 3, 8 .....  | B1, IB3, T4, TP1  | 150 .....             | 203 ..... | 242 ..... | 5 L   | 60 L                  | A                | 40                      |
|          | Ethylphenyldichlorosilane .....   | 8                          | UN2435                     | II    | 8 .....     | A7, B2, IB2, N34, T7, TP2, TP13                                 | None ....             | 202 ..... | 242 ..... | Forbidden                                       | 30 L                  | C                | .....                   |
|          | 1-Ethylpiperidine .....   | 3                          | UN2386                     | II    | 3, 8 .....  | IB2, T7, TP1  | 150 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | 52.                     |
|          | N-Ethyltoluidines .....   | 6.1                        | UN2754                     | II    | 6.1 .....   | IB2, T7, TP2  | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | A                | .....                   |
|          | Ethyltrichlorosilane .....  | 3                          | UN1196                     | II    | 3, 8 .....  | A7, IB1, N34, T7, TP2, TP13                                     | None ....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | 40.                     |
|          | <i>Etiologic agent, see Infectious substances, etc.</i>   | .....                      | .....                      | ..... | .....       | .....   | .....                 | .....     | .....     | .....   | .....                 | .....            | .....                   |
|          | <i>Explosive articles, see Articles, explosive, n.o.s. etc.</i>   | .....                      | .....                      | ..... | .....       | .....   | .....                 | .....     | .....     | .....   | .....                 | .....            | .....                   |
|          | Explosive, blasting, type A .....   | 1.1D                       | UN0081                     | II    | 1.1D ..     | .....   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | 19E, 21E                |
|          | Explosive, blasting, type B .....   | 1.1D                       | UN0082                     | II    | 1.1D ..     | .....   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | 19E                     |

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|---|-----------|--------|-----|-----------|--------------------------------------|-----------|-----------|-----------|-----------|-----------|----|-------------------------|
| Explosive, blasting, type B or Agent blasting, Type B.  | 1.5D      | UN0331 | II  | 1.5D ..   | 105,106                              | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | 19E                     |
| Explosive, blasting, type C .....   | 1.1D      | UN0083 | II  | 1.1D ..   | 123                                  | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | 22E                     |
| Explosive, blasting, type D .....   | 1.1D      | UN0084 | II  | 1.1D ..   |                                      | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | .....                   |
| Explosive, blasting, type E .....   | 1.1D      | UN0241 | II  | 1.1D ..   |                                      | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | 19E                     |
| Explosive, blasting, type E or Agent blasting, Type E.  | 1.5D      | UN0332 | II  | 1.5D ..   | 105, 106                             | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | 19E                     |
| <i>Explosive, forbidden. See § 173.54.</i>  | Forbidden |        |     | .....     |                                      | .....     | .....     | .....     | .....     | .....     |    | .....                   |
| <i>Explosive substances, see Substances, explosive, n.o.s. etc.</i>   | .....     |        |     | .....     |                                      | .....     | .....     | .....     | .....     | .....     |    | .....                   |
| <i>Explosives, slurry, see Explosive, blasting, type E.</i>   | .....     |        |     | .....     |                                      | .....     | .....     | .....     | .....     | .....     |    | .....                   |
| <i>Explosives, water gels, see Explosive, blasting, type E.</i>   | .....     |        |     | .....     |                                      | .....     | .....     | .....     | .....     | .....     |    | .....                   |
| Extracts, aromatic, liquid .....  | 3         | UN1169 | II  | 3 .....   | 149, IB2, T4, TP1, TP8               | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | B  | .....                   |
| .....   | .....     |        | III | 3 .....   | B1, IB3, T2, TP1                     | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A  | .....                   |
| Extracts, flavoring, liquid .....   | 3         | UN1197 | II  | 3 .....   | 149, IB2, T4, TP1, TP8               | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | B  | .....                   |
| .....   | .....     |        | III | 3 .....   | B1, IB3, T2, TP1                     | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A  | .....                   |
| <i>Fabric with animal or vegetable oil, see Fibers or fabrics, etc.</i>   | .....     |        |     | .....     |                                      | .....     | .....     | .....     | .....     | .....     |    | .....                   |
| Ferric arsenate .....   | 6.1       | UN1606 | II  | 6.1 ..... | IB8, IP2, IP4, T3, TP33              | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | A  | .....                   |
| Ferric arsenite .....   | 6.1       | UN1607 | II  | 6.1 ..... | IB8, IP2, IP4, T3, TP33              | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | A  | .....                   |
| Ferric chloride, anhydrous .....  | 8         | UN1773 | III | 8 .....   | IB8, IP3, T1, TP33                   | 154 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | .....                   |
| Ferric chloride, solution .....   | 8         | UN2582 | III | 8 .....   | B15, IB3, T4, TP1                    | 154 ..... | 203 ..... | 241 ..... | 5 L       | 60 L      | A  | .....                   |
| Ferric nitrate .....  | 5.1       | UN1466 | III | 5.1 ..... | A1, A29, IB8, IP3, T1, TP33          | 152 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | .....                   |
| Ferrocerium .....   | 4.1       | UN1323 | II  | 4.1 ..... | 59, A19, IB8, IP2, IP4, T3, TP33     | 151 ..... | 212 ..... | 240 ..... | 15 kg     | 50 kg     | A  | .....                   |
| Ferrosilicon with 30 percent or more but less than 90 percent silicon.  | 4.3       | UN1408 | III | 4.3, 6.1. | A1, A19, B6, IB8, IP4, IP7, T1, TP33 | 151 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | 13, 40, 52, 53, 85, 103 |
| Ferrous arsenate .....  | 6.1       | UN1608 | II  | 6.1 ..... | IB8, IP2, IP4, T3, TP33              | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | A  | .....                   |
| D Ferrous chloride, solid .....   | 8         | NA1759 | II  | 8 .....   | IB8, IP2, IP4, T3, TP33              | 154 ..... | 212 ..... | 240 ..... | 15 kg     | 50 kg     | A  | .....                   |
| D Ferrous chloride, solution .....  | 8         | NA1760 | II  | 8 .....   | B3, IB2, T11, TP2, TP27              | 154 ..... | 202 ..... | 242 ..... | 1 L       | 30 L      | B  | 40                      |
| Ferrous metal borings or Ferrous metal shavings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating. | 4.2       | UN2793 | III | 4.2 ..... | A1, A19, IB8, IP3, IP7               | None .... | 213 ..... | 241 ..... | 25 kg     | 100 kg    | A  | .....                   |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols   | Hazardous materials descriptions and proper shipping names  | Hazard class or Division | Identification Numbers | PG    | Label Codes                           | Special provisions (§ 172.102) | (8)                   |          |           | (9)   |                     | (10)           |       |
|--|---|--------------------------|------------------------|-------|---------------------------------------|--------------------------------|-----------------------|----------|-----------|---|---------------------|----------------|-------|
|  |   |                          |                        |       |                                       |                                | Packaging (§ 173.***) |          |           | Quantity limitations (see §§ 173.27 and 175.75) |                     | Vessel stowage |       |
|  |   |                          |                        |       |                                       |                                | Excep-tions           | Non-bulk | Bulk      | Passenger aircraft/rail                         | Cargo aircraft only | Loca-tion      | Other |
| A I<br>W<br>IW<br>A W  | Fertilizer ammoniating solution with free ammonia.  | 2.2                      | UN1043                 | ..... | 2.2                                   | N87                            | 306                   | 304      | 314, 315. | Forbidden                                       | 150 kg              | E              | 40    |
|  | Fibers, animal or Fibers, vegetable burnt, wet or damp.   | 4.2                      | UN1372                 | III   | 4.2                                   | .....                          | 151                   | 213      | 240       | Forbidden                                       | Forbidden           | A              | ..... |
|  | Fibers, vegetable, dry  | 4.1                      | UN3360                 | III   | 4.1                                   | 137                            | 151                   | 213      | 240       | No Limit  | No Limit            | A              | ..... |
|  | Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil.           | 4.2                      | UN1373                 | III   | 4.2                                   | 137, IB8, IP3, T1, TP33        | None                  | 213      | 241       | Forbidden                                       | Forbidden           | A              | ..... |
|  | Fibers or Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s.                           | 4.1                      | UN1353                 | III   | 4.1                                   | A1, IB8, IP3                   | None                  | 213      | 240       | 25 kg   | 100 kg              | D              | ..... |
|  | Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Cel-luloid scrap. | .....                    | .....                  | ..... | .....                                 | .....                          | .....                 | .....    | .....     | .....   | .....               | .....          | ..... |
|  | Films, nitrocellulose base, gela-tine coated (except scrap).  | 4.1                      | UN1324                 | III   | 4.1                                   | .....                          | None                  | 183      | None      | 25 kg   | 100 kg              | D              | 28    |
|  | Fire extinguisher charges, corro-sive liquid.   | 8                        | UN1774                 | II    | 8                                     | N41                            | 154                   | 202      | None      | 1 L   | 30 L                | A              | ..... |
|  | Fire extinguisher charges, expel-ling, explosive, see Car-tridges, power device.                    | .....                    | .....                  | ..... | .....                                 | .....                          | .....                 | .....    | .....     | .....   | .....               | .....          | ..... |
|  | Fire extinguishers containing compressed or liquefied gas.  | 2.2                      | UN1044                 | ..... | 2.2                                   | 18, 110                        | 309                   | 309      | None      | 75 kg   | 150 kg              | A              | ..... |
| Firelighters, solid with flammable liquid.                                 | 4.1   | UN2623                   | III                    | 4.1   | A1, A19                               | None                           | 213                   | None     | 25 kg     | 100 kg  | A                   | 52             |       |
| Fireworks  | 1.1G  | UN0333                   | II                     | 1.1G  | 108                                   | None                           | 62                    | None     | Forbidden | Forbidden                                       | 07                  | .....          |       |
| Fireworks  | 1.2G  | UN0334                   | II                     | 1.2G  | 108                                   | None                           | 62                    | None     | Forbidden | Forbidden                                       | 07                  | .....          |       |
| Fireworks  | 1.3G  | UN0335                   | II                     | 1.3G  | 108                                   | None                           | 62                    | None     | Forbidden | Forbidden                                       | 07                  | .....          |       |
| Fireworks  | 1.4G  | UN0336                   | II                     | 1.4G  | 108                                   | None                           | 62                    | None     | Forbidden | 75 kg   | 06                  | .....          |       |
| Fireworks  | 1.4S  | UN0337                   | II                     | 1.4S  | 108                                   | None                           | 62                    | None     | 25 kg     | 100 kg  | 05                  | .....          |       |
| First aid kits   | 9   | UN3316                   | .....                  | 9     | 15                                    | 161                            | 161                   | None     | 10 kg     | 10 kg   | A                   | .....          |       |
| Fish meal, stabilized or Fish scrap, stabilized.                           | 9   | UN2216                   | III                    | None  | 155, IB8, IP3, T1, TP33               | 155                            | 218                   | 218      | No limit  | No limit  | B                   | 88, 122, 128   |       |
| Fish meal, unstabilized or Fish scrap, unstabilized.                       | 4.2   | UN1374                   | II                     | 4.2   | 155, A1, A19, IB8, IP2, IP4, T3, TP33 | None                           | 212                   | 241      | 15 kg     | 50 kg   | B                   | 18, 128        |       |
| Flammable compressed gas, see Compressed or Liquefied gas, flammable, etc. | .....   | .....                    | .....                  | ..... | .....                                 | .....                          | .....                 | .....    | .....     | .....   | .....               | .....          |       |

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names             | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes  | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |            |
|----------|---|----------------------------|----------------------------|-------|--------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|------------|
|          |   |                            |                            |       |              |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |            |
|          |   |                            |                            |       |              |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other      |
| G        | Flammable solids, corrosive, or- ganic, n.o.s..                         | 4.1                        | UN2925                     | II    | 4.1, 8       | A1, IB6, IP2, T3, TP33           | None ....             | 212 ..... | 242 ..... | 15 kg   | 50 kg                 | D                | 40         |
|          |   |                            |                            |       |              |                                  | 151 .....             | 213 ..... | 242 ..... | 25 kg   | 100 kg                | D                | 40         |
| G        | Flammable solids, organic, n.o.s..                                      | 4.1                        | UN1325                     | II    | 4.1 .....    | A1, IB8, IP2, IP4, T3, TP33      | 151 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                 | B                | .....      |
|          |   |                            |                            |       |              |                                  | 151 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | B                | .....      |
| G        | Flammable solids, toxic, organic, n.o.s..                               | 4.1                        | UN2926                     | II    | 4.1, 6.1.    | A1, IB6, IP2, T3, TP33           | 151 .....             | 212 ..... | 242 ..... | 15 kg   | 50 kg                 | B                | 40         |
|          |   |                            |                            |       |              |                                  | 151 .....             | 213 ..... | 242 ..... | 25 kg   | 100 kg                | B                | 40         |
|          | Flares, aerial .....  | 1.3G                       | UN0093                     | II    | 1.3G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 07               | .....      |
|          | Flares, aerial .....  | 1.4G                       | UN0403                     | II    | 1.4G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               | .....      |
|          | Flares, aerial .....  | 1.4S                       | UN0404                     | II    | 1.4S ...     |                                  | None ....             | 62 .....  | None .... | 25 kg   | 100 kg                | 05               | .....      |
|          | Flares, aerial .....  | 1.1G                       | UN0420                     | II    | 1.1G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....      |
|          | Flares, aerial .....  | 1.2G                       | UN0421                     | II    | 1.2G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....      |
|          | <i>Flares, airplane, see Flares, aerial.</i>                            |                            |                            |       |              |                                  |                       |           |           |   |                       |                  |            |
|          | <i>Flares, signal, see Cartridges, signal.</i>                          |                            |                            |       |              |                                  |                       |           |           |   |                       |                  |            |
|          | Flares, surface .....   | 1.3G                       | UN0092                     | II    | 1.3G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 07               | .....      |
|          | Flares, surface .....   | 1.1G                       | UN0418                     | II    | 1.1G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....      |
|          | Flares, surface .....   | 1.2G                       | UN0419                     | II    | 1.2G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....      |
|          | <i>Flares, water-activated, see Contrivances, water-activated, etc.</i> |                            |                            |       |              |                                  |                       |           |           |   |                       |                  |            |
|          | Flash powder .....  | 1.1G                       | UN0094                     | II    | 1.1G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 15               | .....      |
|          | Flash powder .....  | 1.3G                       | UN0305                     | II    | 1.3G ..      |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 15               | .....      |
|          | <i>Flue dusts, poisonous, see Ar- senical dust.</i>                     |                            |                            |       |              |                                  |                       |           |           |   |                       |                  |            |
|          | <i>Fluoric acid, see Hydrofluoric acid, etc.</i>                        |                            |                            |       |              |                                  |                       |           |           |   |                       |                  |            |
|          | Fluorine, compressed .....  | 2.3                        | UN1045                     | ..... | 2.3, 5.1, 8. | 1, N86                           | None ....             | 302 ..... | None .... | Forbidden                                       | Forbidden             | D                | 40, 89, 90 |
|          | Fluoroacetic acid .....   | 6.1                        | UN2642                     | I     | 6.1 .....    | IB7, IP1, T6, TP33               | None ....             | 211 ..... | 242 ..... | 1 kg  | 15 kg                 | E                | .....      |
|          | Fluoroanilines .....  | 6.1                        | UN2941                     | III   | 6.1 .....    | IB3, T4, TP1                     | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | .....      |
|          | Fluorobenzene .....   | 3                          | UN2387                     | II    | 3 .....      | IB2, T4, TP1                     | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....      |



|  |           |        |     |      |   |      |     |      |           |           |    |       |
|--|-----------|--------|-----|------|---|------|-----|------|-----------|-----------|----|-------|
| Fluoroboric acid .....   | 8         | UN1775 | II  | 8    | A6, A7, B2, B15, IB2, N3, N34, T7, TP2            | 154  | 202 | 242  | 1 L       | 30 L      | A  | ..... |
| Fluorophosphoric acid anhydrous.                                       | 8         | UN1776 | II  | 8    | A6, A7, B2, IB2, N3, N34, T8, TP2, TP12           | None | 202 | 242  | 1 L       | 30 L      | A  | ..... |
| Fluorosilicates, n.o.s. ....   | 6.1       | UN2856 | III | 6.1  | IB8, IP3, T1, TP33                                | 153  | 213 | 240  | 100 kg    | 200 kg    | A  | 52    |
| Fluorosilicic acid .....   | 8         | UN1778 | II  | 8    | A6, A7, B2, B15, IB2, N3, N34, T8, TP2, TP12      | None | 202 | 242  | 1 L       | 30 L      | A  | ..... |
| Fluorosulfonic acid .....  | 8         | UN1777 | I   | 8    | A3, A6, A7, A10, B6, B10, N3, N36, T10, TP2, TP12 | None | 201 | 243  | 0.5 L     | 2.5 L     | D  | 40    |
| Fluorotoluenes .....   | 3         | UN2388 | II  | 3    | IB2, T4, TP1                                      | 150  | 202 | 242  | 5 L       | 60 L      | B  | 40    |
| <i>Forbidden materials. See § 173.21.</i>                              | Forbidden |        |     |      |   |      |     |      |           |           |    |       |
| Formaldehyde, solutions, flammable.                                    | 3         | UN1198 | III | 3, 8 | B1, IB3, T4, TP1                                  | 150  | 203 | 242  | 5 L       | 60 L      | A  | 40    |
| Formaldehyde, solutions, with not less than 25 percent formaldehyde.   | 8         | UN2209 | III | 8    | IB3, T4, TP1                                      | 154  | 203 | 241  | 5 L       | 60 L      | A  | ..... |
| <i>Formalin, see Formaldehyde, solutions.</i>                          | .....     |        |     |      |   |      |     |      |           |           |    |       |
| Formic acid with not less than 10% but not more than 85% acid by mass. | 8         | UN3412 | II  | 8    | IB2, T7, TP2                                      | 154  | 202 | 242  | 1 L       | 30 L      | A  | 40.   |
| Formic acid with not less than 5% but less than 10% acid by mass.      | 8         | UN3412 | III | 8    | IB3, T4, TP1                                      | 154  | 203 | 241  | 5 L       | 60 L      | A  | 40    |
| Formic acid with more than 85% acid by mass.                           | 8         | UN1779 | II  | 8, 3 | B2, B28, IB2, T7, TP2                             | 154  | 202 | 242  | 1 L       | 30 L      | A  | 40.   |
| Fracturing devices, explosive, without detonators for oil wells.       | 1.1D      | UN0099 | II  | 1.1D |   | None | 62  | None | Forbidden | Forbidden | 07 | ..... |
| Fuel, aviation, turbine engine ....                                    | 3         | UN1863 | I   | 3    | 144, T11, TP1, TP8, TP28                          | 150  | 201 | 243  | 1 L       | 30 L      | E  | ..... |
| .....  | .....     |        | II  | 3    | 144, IB2, T4, TP1, TP8                            | 150  | 202 | 242  | 5 L       | 60 L      | B  | ..... |
| .....  | .....     |        | III | 3    | 144, B1, IB3, T2, TP1                             | 150  | 203 | 242  | 60 L      | 220 L     | A  | ..... |
| Fuel cell cartridges containing flammable liquids.                     | 3         | UN3473 | II  | 3    | .....   | 150  | 230 | None | 5 L       | 60 L      | A  | ..... |
| D Fuel oil (No. 1, 2, 4, 5, or 6) .....                                | 3         | NA1993 | III | 3    | 144, B1, IB3, T4, TP1, TP29                       | 150  | 203 | 242  | 60 L      | 220 L     | A  | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |      | (9)   |                       | (10)             |        |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|------|---|-----------------------|------------------|--------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
|          | <i>Fuel system components (in- cluding fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dan- gerous Goods in Machinery.</i> |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminate of mercury (dry) .....</i>   | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminate of mercury, wet, see Mercury fulminate, etc.</i>   |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminating gold .....</i>   | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminating mercury .....</i>  | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminating platinum .....</i>   | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminating silver .....</i>   | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fulminic acid .....</i>  | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fumaryl chloride .....</i>   | 8                          | UN1780                     | II  | 8           | B2, IB2, T7, TP2                 | 154                   | 202       | 242  | 1 L   | 30 L                  | C                | 8, 40  |
|          | <i>Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h).</i>  |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fumigated transport vehicle or freight container see § 173.9.</i>  |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Furaldehydes .....</i>   | 6.1                        | UN1199                     | II  | 6.1, 3      | IB2, T7, TP2                     | 153                   | 202       | 243  | 5 L   | 60 L                  | A                |        |
|          | <i>Furan .....</i>  | 3                          | UN2389                     | I   | 3           | T12, TP2, TP13                   | None                  | 201       | 243  | 1 L   | 30 L                  | E                | 40     |
|          | <i>Furfuryl alcohol .....</i>   | 6.1                        | UN2874                     | III | 6.1         | IB3, T4, TP1                     | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | 52, 74 |
|          | <i>Furfurylamine .....</i>  | 3                          | UN2526                     | III | 3, 8        | B1, IB3, T4, TP1                 | 150                   | 203       | 242  | 5 L   | 60 L                  | A                | 40     |
|          | <i>Fuse, detonating, metal clad, see Cord, detonating, metal clad.</i>  |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fuse, detonating, mild effect, metal clad, see Cord, deto- nating, mild effect, metal clad.</i>  |                            |                            |     |             |                                  |                       |           |      |   |                       |                  |        |
|          | <i>Fuse, igniter tubular metal clad</i>   | 1.4G                       | UN0103                     | II  | 1.4G        |                                  | None                  | 62        | None | Forbidden                                       | 75 kg                 | 06               |        |
|          | <i>Fuse, non-detonating instanta- neous or quickmatch.</i>  | 1.3G                       | UN0101                     | II  | 1.3G        |                                  | None                  | 62        | None | Forbidden                                       | Forbidden             | 07               |        |
|          | <i>Fuse, safety .....</i>   | 1.4S                       | UN0105                     | II  | 1.4S        |                                  | None                  | 62        | None | 25 kg   | 100 kg                | 05               |        |
| D        | <i>Fusee (railway or highway) .....</i>   | 4.1                        | NA1325                     | II  | 4.1         |                                  | None                  | 184       | None | 15 kg   | 50 kg                 | B                |        |
|          | <i>Fusel oil .....</i>  | 3                          | UN1201                     | II  | 3           | IB2, T4, TP1                     | 150                   | 202       | 242  | 5 L   | 60 L                  | B                |        |
|          | <i>Fuses, tracer, see Tracers for ammunition.</i>   |                            |                            | III | 3           | B1, IB3, T2, TP1                 | 150                   | 203       | 242  | 60 L  | 220 L                 | A                |        |

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|  |           |        |     |           |                       |      |           |      |           |           |    |    |  |
|--|-----------|--------|-----|-----------|-----------------------|------|-----------|------|-----------|-----------|----|----|--|
| Fuzes, combination, percussion and time, see Fuzes, detonating (UN0257, UN0367); Fuzes, igniting (UN0317, UN0368).       |           |        |     |           |                       |      |           |      |           |           |    |    |  |
| Fuzes, detonating  | 1.1B      | UN0106 | II  | 1.1B ...  |                       | None | 62        | None | Forbidden | Forbidden | 11 |    |  |
| Fuzes, detonating  | 1.2B      | UN0107 | II  | 1.2B ...  |                       | None | 62        | None | Forbidden | Forbidden | 11 |    |  |
| Fuzes, detonating  | 1.4B      | UN0257 | II  | 1.4B ...  | 116                   | None | 62        | None | Forbidden | 75 kg     | 06 |    |  |
| Fuzes, detonating  | 1.4S      | UN0367 | II  | 1.4S ...  | 116                   | None | 62        | None | 25 kg     | 100 kg    | 05 |    |  |
| Fuzes, detonating, with protective features.   | 1.1D      | UN0408 | II  | 1.1D ..   |                       | None | 62        | None | Forbidden | Forbidden | 07 |    |  |
| Fuzes, detonating, with protective features.   | 1.2D      | UN0409 | II  | 1.2D ..   |                       | None | 62        | None | Forbidden | Forbidden | 07 |    |  |
| Fuzes, detonating, with protective features.   | 1.4D      | UN0410 | II  | 1.4D ..   | 116                   | None | 62        | None | Forbidden | 75 kg     | 06 |    |  |
| Fuzes, igniting  | 1.3G      | UN0316 | II  | 1.3G ..   |                       | None | 62        | None | Forbidden | Forbidden | 07 |    |  |
| Fuzes, igniting  | 1.4G      | UN0317 | II  | 1.4G ..   |                       | None | 62        | None | Forbidden | 75 kg     | 06 |    |  |
| Fuzes, igniting  | 1.4S      | UN0368 | II  | 1.4S ...  |                       | None | 62        | None | 25 kg     | 100 kg    | 05 |    |  |
| Galactsan trinitrate   | Forbidden |        |     |           |                       |      |           |      |           |           |    |    |  |
| Gallium  | 8         | UN2803 | III | 8         | T1, TP33              | None | 162       | 240  | 20 kg     | 20 kg     | B  | 48 |  |
| Gas cartridges, (flammable) without a release device, non-refillable.  | 2.1       | UN2037 |     | 2.1       |                       | 306  | 304       | None | 1 kg      | 15 kg     | B  | 40 |  |
| D Gas identification set   | 2.3       | NA9035 |     | 2.3       | 6                     | None | 194       | None | Forbidden | Forbidden | D  |    |  |
| Gas oil  | 3         | UN1202 | III | 3         | 144, B1, IB3, T2, TP1 | 150  | 203       | 242  | 60 L      | 220 L     | A  |    |  |
| G Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid).  | 2.1       | UN3312 |     | 2.1       | T75, TP5              | None | 316       | 318  | Forbidden | Forbidden | D  | 40 |  |
| G Gas, refrigerated liquid, n.o.s. (cryogenic liquid).   | 2.2       | UN3158 |     | 2.2       | T75, TP5              | 320  | 316       | 318  | 50 kg     | 500 kg    | D  |    |  |
| G Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid).  | 2.2       | UN3311 |     | 2.2, 5.1. | T75, TP5, TP22        | 320  | 316       | 318  | Forbidden | Forbidden | D  |    |  |
| Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid.   | 2.1       | UN3167 |     | 2.1       |                       | 306  | 302, 304. | None | 1 L       | 5 L       | D  |    |  |
| Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid.  | 2.3       | UN3168 |     | 2.3, 2.1. | 6                     | 306  | 302       | None | Forbidden | 1 L       | D  |    |  |
| Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid.   | 2.3       | UN3169 |     | 2.3       | 6                     | 306  | 302, 304. | None | Forbidden | 1 L       | D  |    |  |
| D Gasohol gasoline mixed with ethyl alcohol, with not more than 10% alcohol.   | 3         | NA1203 | II  | 3         | 144                   | 150  | 202       | 242  | 5 L       | 60 L      | E  |    |  |
| Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol. Gasoline, casinghead, see Gasoline. | 3         | UN1203 | II  | 3         | 144, B1, B33, T8      | 150  | 202       | 242  | 5 L       | 60 L      | E  |    |  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di-vision | Identifica-tion Num-bers | PG  | Label Codes | Special provi-sions (§ 172.102) | (8)                   |          |      | (9)   |                      | (10)            |       |
|----------|--|---------------------------|--------------------------|-----|-------------|---------------------------------|-----------------------|----------|------|---|----------------------|-----------------|-------|
|          |  |                           |                          |     |             |                                 | Packaging (§ 173.***) |          |      | Quantity limitations (see §§ 173.27 and 175.75) |                      | Vessel stow-age |       |
|          |  |                           |                          |     |             |                                 | Excep-tions           | Non-bulk | Bulk | Passenger aircraft/rail                         | Cargo air-craft only | Loca-tion       | Other |
|          | <i>Gelatine, blasting, see</i> Explosive, blasting, type A.  |                           |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | <i>Gelatine dynamites, see</i> Explosive, blasting, type A.  |                           |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | Germane .....  | 2.3                       | UN2192                   |     | 2.3, 2.1.   | 2                               | None                  | 302      | 245  | Forbidden                                       | Forbidden            | D               | 40    |
|          | <i>Glycerol-1,3-dinitrate</i> .....  | Forbidden                 |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | <i>Glycerol gluconate trinitrate</i> .....   | Forbidden                 |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | <i>Glycerol lactate trinitrate</i> .....   | Forbidden                 |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | <i>Glycerol alpha-monochlorohydrin.</i>  | 6.1                       | UN2689                   | III | 6.1         | IB3, T4, TP1                    | 153                   | 203      | 241  | 60 L  | 220 L                | A               |       |
|          | <i>Glyceryl trinitrate, see</i> Nitroglycerin, etc.  |                           |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | Glycidaldehyde .....   | 3                         | UN2622                   | II  | 3, 6.1      | IB2, IP8, T7, TP1               | 150                   | 202      | 243  | 1 L   | 60 L                 | A               | 40    |
|          | Grenades, <i>hand or rifle, with bursting charge.</i>  | 1.1D                      | UN0284                   | II  | 1.1D ..     |                                 |                       | 62       | None | Forbidden                                       | Forbidden            | 07              |       |
|          | Grenades, <i>hand or rifle, with bursting charge.</i>  | 1.2D                      | UN0285                   | II  | 1.2D ..     |                                 |                       | 62       | None | Forbidden                                       | Forbidden            | 07              |       |
|          | Grenades, <i>hand or rifle, with bursting charge.</i>  | 1.1F                      | UN0292                   | II  | 1.1F ...    |                                 |                       | 62       | None | Forbidden                                       | Forbidden            | 08              |       |
|          | Grenades, <i>hand or rifle, with bursting charge.</i>  | 1.2F                      | UN0293                   | II  | 1.2F ...    |                                 |                       | 62       | None | Forbidden                                       | Forbidden            | 08              |       |
|          | Grenades, <i>illuminating, see</i> Ammunition, illuminating, etc.                                    |                           |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | Grenades, <i>practice, hand or rifle</i>   | 1.4S                      | UN0110                   | II  | 1.4S ...    |                                 |                       | 62       | None | 25 kg   | 100 kg               | 05              |       |
|          | Grenades, <i>practice, hand or rifle</i>   | 1.3G                      | UN0318                   | II  | 1.3G ..     |                                 |                       | 62       | None | Forbidden                                       | Forbidden            | 07              |       |
|          | Grenades, <i>practice, hand or rifle</i>   | 1.2G                      | UN0372                   | II  | 1.2G ..     |                                 |                       | 62       | None | Forbidden                                       | Forbidden            | 07              |       |
|          | Grenades <i>practice Hand or rifle</i>   | 1.4G                      | UN0452                   | II  | 1.4G ..     |                                 |                       | 62       | None | Forbidden                                       | 75 kg                | 06              |       |
|          | Grenades, <i>smoke, see</i> Ammunition, smoke, etc.  |                           |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | Guanidine nitrate .....  | 5.1                       | UN1467                   | III | 5.1         | A1, IB8, IP3, T1, TP33          | 152                   | 213      | 240  | 25 kg   | 100 kg               | A               | 73    |
|          | <i>Guanyl nitrosaminoguanylidene hydrazine (dry).</i>  | Forbidden                 |                          |     |             |                                 |                       |          |      |   |                      |                 |       |
|          | Guanyl nitrosaminoguanylidene hydrazine, <i>wetted with not less than 30 percent water, by mass.</i> | 1.1A                      | UN0113                   | II  | 1.1A ...    | 111, 117                        | None                  | 62       | None | Forbidden                                       | Forbidden            | 12              |       |
|          | <i>Guanyl nitrosaminoguanyltetrazene (dry).</i>  | Forbidden                 |                          |     |             |                                 |                       |          |      |   |                      |                 |       |

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|-----|---|------|--------|-----|----------|---------------------------------------|------|-----|-----------|-----------|-----------|----|--------|
|     | Guanyl nitrosaminoguanilyltetrazene, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass.  | 1.1A | UN0114 | II  | 1.1A ... | 111, 117                              | None | 62  | None      | Forbidden | Forbidden | 12 |        |
|     | Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0028).  |      |        |     |          |                                       |      |     |           |           |           |    |        |
|     | Gunpowder, granular or as a meal, see Black powder (UN 0027).   |      |        |     |          |                                       |      |     |           |           |           |    |        |
|     | Hafnium powder, dry   | 4.2  | UN2545 | I   | 4.2      |                                       | None | 211 | 242       | Forbidden | Forbidden | D  |        |
|     |   |      |        | II  | 4.2      | A19, A20, IB6, IP2, N34, T3, TP33     | None | 212 | 241       | 15 kg     | 50 kg     | D  |        |
|     |   |      |        | III | 4.2      | IB8, IP3, T1, TP33                    | None | 213 | 241       | 25 kg     | 100 kg    | D  |        |
|     | Hafnium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns. | 4.1  | UN1326 | II  | 4.1      | A6, A19, A20, IB6, IP2, N34, T3, TP33 | None | 212 | 241       | 15 kg     | 50 kg     | E  | 74     |
|     | Hand signal device, see Signal devices, hand.   |      |        |     |          |                                       |      |     |           |           |           |    |        |
|     | Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc.   |      |        |     |          |                                       |      |     |           |           |           |    |        |
| D G | Hazardous waste, liquid, n.o.s. ...   | 9    | NA3082 | III | 9        | IB3, T2, TP1                          | 155  | 203 | 241       | No limit  | No limit  | A  |        |
| D G | Hazardous waste, solid, n.o.s. ...  | 9    | NA3077 | III | 9        | B54, IB8, IP2, T1, TP33               | 155  | 213 | 240       | No limit  | No limit  | A  |        |
|     | Heating oil, light  | 3    | UN1202 | III | 3        | B1, IB3, T2, TP1                      | 150  | 203 | 242       | 60 L      | 220 L     | A  |        |
|     | Helium, compressed  | 2.2  | UN1046 |     | 2.2      |                                       | 306  | 302 | 302, 314. | 75 kg     | 150 kg    | A  | 85     |
|     | Helium, refrigerated liquid (cryogenic liquid).   | 2.2  | UN1963 |     | 2.2      | T75, TP5                              | 320  | 316 | 318       | 50 kg     | 500 kg    | B  |        |
|     | Heptafluoropropane or Refrigerant gas R 227.  | 2.2  | UN3296 |     | 2.2      | T50                                   | 306  | 304 | 314, 315. | 75 kg     | 150 kg    | A  |        |
|     | n-Heptaldehyde  | 3    | UN3056 | III | 3        | B1, IB3, T2, TP1                      | 150  | 203 | 242       | 60 L      | 220 L     | A  |        |
|     | Heptanes  | 3    | UN1206 | II  | 3        | IB2, T4, TP1                          | 150  | 202 | 242       | 5 L       | 60 L      | B  |        |
|     | n-Heptene   | 3    | UN2278 | II  | 3        | IB2, T4, TP1                          | 150  | 202 | 242       | 5 L       | 60 L      | B  |        |
|     | Hexachloroacetone   | 6.1  | UN2661 | III | 6.1      | IB3, T4, TP1                          | 153  | 203 | 241       | 60 L      | 220 L     | B  | 12, 40 |
|     | Hexachlorobenzene   | 6.1  | UN2729 | III | 6.1      | B3, IB8, IP3, T1, TP33                | 153  | 203 | 241       | 60 L      | 220 L     | A  |        |
|     | Hexachlorobutadiene   | 6.1  | UN2279 | III | 6.1      | IB3, T4, TP1                          | 153  | 203 | 241       | 60 L      | 220 L     | A  |        |

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| Sym-bols | Hazardous materials descriptions and proper shipping names | Hazard class or Division | Identification Numbers | PG    | Label Codes | Special provisions (§ 172.102)                        | (8)                   |           |           | (9)   |                     | (10)           |        |
|----------|--|--------------------------|------------------------|-------|-------------|---|-----------------------|-----------|-----------|---|---------------------|----------------|--------|
|          |  |                          |                        |       |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                     | Vessel stowage |        |
|          |  |                          |                        |       |             |   | Excep-tions           | Non-bulk  | Bulk      | Passenger aircraft/rail                         | Cargo aircraft only | Loca-tion      | Other  |
|          | Hexachlorocyclopentadiene .....                            | 6.1                      | UN2646                 | I     | 6.1 .....   | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden           | D              | 40     |
|          | Hexachlorophene .....                                      | 6.1                      | UN2875                 | III   | 6.1 .....   | IB8, IP3, T1, TP33                                    | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg              | A              | .....  |
|          | Hexadecyltrichlorosilane .....                             | 8                        | UN1781                 | II    | 8 .....     | A7, B2, B6, IB2, N34, T7, TP2                         | None ....             | 202 ..... | 242 ..... | Forbidden                                       | 30 L                | C              | 40     |
|          | Hexadienes .....   | 3                        | UN2458                 | II    | 3 .....     | IB2, T4, TP1  | None ....             | 202 ..... | 242 ..... | 5 L   | 60 L                | B              | .....  |
|          | Hexaethyl tetraphosphate and compressed gas mixtures.      | 2.3                      | UN1612                 | ..... | 2.3 .....   | 3   | None ....             | 334 ..... | None .... | Forbidden                                       | Forbidden           | D              | 40     |
|          | Hexaethyl tetraphosphate, <i>liquid</i>                    | 6.1                      | UN1611                 | II    | 6.1 .....   | IB2, N76, T7, TP2                                     | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                | E              | 40     |
|          | Hexaethyl tetraphosphate, <i>solid</i>                     | 6.1                      | UN1611                 | II    | 6.1 .....   | IB8, IP2, IP4, N76                                    | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg              | E              | 40     |
|          | Hexafluoroacetone .....                                    | 2.3                      | UN2420                 | ..... | 2.3, 8      | 2, B9, B14  | None ....             | 304 ..... | 314, 315. | Forbidden                                       | Forbidden           | D              | 40     |
|          | Hexafluoroacetone hydrate, liquid.                         | 6.1                      | UN2552                 | II    | 6.1 .....   | IB2, T7, TP2  | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                | B              | 40     |
|          | Hexafluoroacetone hydrate, solid.                          | 6.1                      | UN3436                 | II    | 6.1 .....   | IB8, IP2, IP4, T3, TP33                               | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg              | B              | 40     |
|          | Hexafluoroethane, or Refrigerant gas R 116.                | 2.2                      | UN2193                 | ..... | 2.2 .....   |   | 306 .....             | 304 ..... | 314, 315. | 75 kg   | 150 kg              | A              | .....  |
|          | Hexafluorophosphoric acid .....                            | 8                        | UN1782                 | II    | 8 .....     | A6, A7, B2, IB2, N3, N34, T8, TP2, TP12               | None ....             | 202 ..... | 242 ..... | 1 L   | 30 L                | A              | .....  |
|          | Hexafluoropropylene compressed or Refrigerant gas R 1216.  | 2.2                      | UN1858                 | ..... | 2.2 .....   | T50   | 306 .....             | 304 ..... | 314, 315. | 75 kg   | 150 kg              | A              | .....  |
|          | Hexaldehyde .....  | 3                        | UN1207                 | III   | 3 .....     | B1, IB3, T2, TP1                                      | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L               | A              | .....  |
|          | Hexamethylene diisocyanate .....                           | 6.1                      | UN2281                 | II    | 6.1 .....   | IB2, T7, TP2, TP13                                    | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                | C              | 13, 40 |
|          | <i>Hexamethylene triperoxide diamine (dry)</i> .           | Forbidden                |                        |       |             |   |                       |           |           |   |                     |                |        |
|          | Hexamethylenediamine, solid .....                          | 8                        | UN2280                 | III   | 8 .....     | IB8, IP3, T1, TP33                                    | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg              | A              | 12     |
|          | Hexamethylenediamine solution .....                        | 8                        | UN1783                 | II    | 8 .....     | IB2, T7, TP2  | None ....             | 202 ..... | 242 ..... | 1 L   | 30 L                | A              | .....  |
|          | .....  | .....                    | .....                  | ..... | .....       | .....   | .....                 | .....     | .....     | .....   | .....               | .....          | .....  |
|          | Hexamethyleneimine .....                                   | 3                        | UN2493                 | II    | 3, 8 .....  | IB3, T4, TP1  | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                | A              | .....  |
|          | Hexamethyleneimine .....                                   | 3                        | UN2493                 | II    | 3, 8 .....  | IB2, T7, TP1  | 150 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                 | B              | 40     |
|          | Hexamethylenetetramine .....                               | 4.1                      | UN1328                 | III   | 4.1 .....   | A1, IB8, IP3, T1, TP33                                | 151 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg              | A              | .....  |

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|--|-----------|--------|---------|-------------------------------------|-------|-------|-------|-----------|-----------|-------|-------|-------|
| Hexamethylol benzene hexanitrate.  | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... | ..... |
| Hexanes  | 3         | UN1208 | II 3    | IB2, T4, TP1                        | 150   | 202   | 242   | 5 L       | 60 L      | E     | ..... |       |
| 2,2',4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry).   | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanitroazoxy benzene   | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| N,N'-(hexanitrodiphenyl) ethylene dinitramine (dry).   | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanitrodiphenyl urea   | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| 2,2',3,4,4',6-Hexanitrodiphenylamine.  | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanitrodiphenylamine or Dipicrylamine or Hexyl.  | 1.1D      | UN0079 | II 1.1D |                                     | None  | 62    | None  | Forbidden | Forbidden | 10    | ..... |       |
| 2,3',4,4',6,6'-Hexanitrodiphenylether.   | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanitroethane  | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanitrooxanilide   | Forbidden |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanitrostilbene  | 1.1D      | UN0392 | II 1.1D |                                     | None  | 62    | None  | Forbidden | Forbidden | 10    | ..... |       |
| Hexanoic acid, see Corrosive liquids, n.o.s..  | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexanols   | 3         | UN2282 | III 3   | B1, IB3, T2, TP1                    | 150   | 203   | 242   | 60 L      | 220 L     | A     | 74    |       |
| 1-Hexene   | 3         | UN2370 | II 3    | IB2, T4, TP1                        | 150   | 202   | 242   | 5 L       | 60 L      | E     | ..... |       |
| Hexogen and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexogen and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.                               | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexogen and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.                           | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexogen, see Cyclotrimethylenetrinitramine, etc.   | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexolite, or Hexotol dry or wetted with less than 15 percent water, by mass.   | 1.1D      | UN0118 | II 1.1D |                                     | None  | 62    | None  | Forbidden | Forbidden | 10    | ..... |       |
| Hexotonal  | 1.1D      | UN0393 | II 1.1D |                                     | None  | 62    | None  | Forbidden | Forbidden | 10    | ..... |       |
| Hexyl, see Hexanitrodiphenylamine.   | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |
| Hexyltrichlorosilane   | 8         | UN1784 | II 8    | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None  | 202   | 242   | Forbidden | 30 L      | C     | 40    |       |
| High explosives, see individual explosives' entries.   | .....     |        | .....   |                                     | ..... | ..... | ..... | .....     | .....     | ..... | ..... |       |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                          | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes   | Special provi- sions (§ 172.102)                 | (8)                   |           |      | (9)   |                       | (10)             |                        |
|----------|--|----------------------------|----------------------------|-----|---------------|--|-----------------------|-----------|------|---|-----------------------|------------------|------------------------|
|          |  |                            |                            |     |               |  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                        |
|          |  |                            |                            |     |               |  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                  |
|          | HMX, see<br>Cyclotetramethylenete<br>trinitramine, etc.                              |                            |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydrazine, anhydrous   | 8                          | UN2029                     | I   | 8, 3,<br>6.1. | A3, A6, A7, A10,<br>B7, B16, B53<br>IB3, T4, TP1 | None                  | 201       | 243  | Forbidden                                       | 2.5 L                 | D                | 40, 52,<br>125,<br>52. |
|          | Hydrazine, aqueous solution,<br>with not more than 37 percent<br>hydrazine, by mass. | 6.1                        | UN3293                     | III | 6.1           |  | 153                   | 203       | 241  | 60 L  | 220 L                 | A                |                        |
|          | Hydrazine aqueous solution,<br>with more than 37% hydra-<br>zine, by mass.           | 8                          | UN2030                     | I   | 8, 6.1        | B16, B53, T10,<br>TP2, TP13                      | None                  | 201       | 243  | Forbidden                                       | 2.5 L                 | D                | 40, 52                 |
|          |  |                            |                            | II  | 8, 6.1        | B16, B53, IB2,<br>T7, TP2, TP13                  | None                  | 202       | 243  | Forbidden                                       | 30 L                  | D                | 40, 52                 |
|          |  |                            |                            | III | 8, 6.1        | B16, B53, IB3,<br>T4, TP1                        | 154                   | 203       | 241  | 5 L   | 60 L                  | D                | 40, 52                 |
|          | Hydrazine azide  | Forbidden                  |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydrazine chlorate   | Forbidden                  |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydrazine dicarbonic acid<br>diazide.  | Forbidden                  |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          |  |                            |                            | II  | 8, 6.1        | B16, B53, IB2,<br>T7, TP2, TP13                  | None                  | 202       | 243  | Forbidden                                       | 30 L                  | D                | 40                     |
|          |  |                            |                            | III | 8, 6.1        | B16, B53, IB3,<br>T4, TP1                        | 154                   | 203       | 241  | 5 L   | 60 L                  | D                | 40                     |
|          | Hydrazine perchlorate  | Forbidden                  |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydrazine selenate   | Forbidden                  |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydriodic acid, anhydrous, see<br>Hydrogen iodide, anhydrous.                        |                            |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydriodic acid   | 8                          | UN1787                     | II  | 8             | A3, A6, B2, IB2,<br>N41, T7, TP2                 | 154                   | 202       | 242  | 1 L   | 30 L                  | C                |                        |
|          |  |                            |                            | III | 8             | IB3, T4, TP1                                     | 154                   | 203       | 241  | 5 L   | 60 L                  | C                | 8                      |
|          | Hydrobromic acid, anhydrous,<br>see Hydrogen bromide, anhy-<br>drous.                |                            |                            |     |               |  |                       |           |      |   |                       |                  |                        |
|          | Hydrobromic acid, with more<br>than 49 percent hydrobromic<br>acid.                  | 8                          | UN1788                     | II  | 8             | B2, B15, IB2,<br>N41, T7, TP2                    | 154                   | 202       | 242  | Forbidden                                       | Forbidden             | C                |                        |
|          |  |                            |                            | III | 8             | IB3, T4, TP1                                     | 154                   | 203       | 241  | Forbidden                                       | Forbidden             | C                | 8                      |
|          | Hydrobromic acid, with not more<br>than 49 percent hydrobromic<br>acid.              | 8                          | UN1788                     | II  | 8             | A3, A6, B2, B15,<br>IB2, N41, T7,<br>TP2         | 154                   | 202       | 242  | 1 L   | 30 L                  | C                |                        |
|          |  |                            |                            | III | 8             | A3, IB3, T4, TP1                                 | 154                   | 203       | 241  | 5 L   | 60 L                  | C                | 8                      |

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| Hydrocarbon gas mixture, compressed, n.o.s.  | 2.1       | UN1964 | ..... | 2.1    | ..... | 306   | ..... | 302   | ..... | 314, 315. | Forbidden | 150 kg    | E         | 40    |        |
| Hydrocarbon gas mixture, liquefied, n.o.s.   | 2.1       | UN1965 | ..... | 2.1    | ..... | T50   | 306   | ..... | 304   | .....     | 314, 315. | Forbidden | 150 kg    | E     | 40     |
| Hydrocarbons, liquid, n.o.s.   | 3         | UN3295 | I     | 3      | ..... | 144, T11, TP1, TP8, TP28                            | 150   | ..... | 201   | .....     | 243       | 1 L       | 30 L      | E     | .....  |
| .....  | .....     | .....  | II    | 3      | ..... | 144, IB2, T7, TP1, TP8, TP28                        | 150   | ..... | 202   | .....     | 242       | 5 L       | 60 L      | B     | .....  |
| .....  | .....     | .....  | III   | 3      | ..... | 144, B1, IB3, T4, TP1, TP29                         | 150   | ..... | 203   | .....     | 242       | 60 L      | 220 L     | A     | .....  |
| <i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous.</i>   | .....     | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |
| Hydrochloric acid  | 8         | UN1789 | II    | 8      | ..... | A3, A6, B3, B15, IB2, N41, T8, TP2, TP12            | 154   | ..... | 202   | .....     | 242       | 1 L       | 30 L      | C     | .....  |
| .....  | .....     | .....  | III   | 8      | ..... | A3, IB3, T4, TP1, TP12                              | 154   | ..... | 203   | .....     | 241       | 5 L       | 60 L      | C     | 8      |
| <i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.</i>  | .....     | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |
| Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide. | 6.1       | UN1613 | I     | 6.1    | ..... | 2, B61, B65, B77, B82, T20, TP2, TP13               | None  | ..... | 195   | .....     | 244       | Forbidden | Forbidden | D     | 40     |
| Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide.   | 6.1       | NA1613 | II    | 6.1    | ..... | IB1, T14, TP2, TP13, TP27                           | None  | ..... | 195   | .....     | 243       | Forbidden | 5 L       | D     | 40     |
| <i>Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc.</i>   | .....     | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |
| <i>Hydrocyanic acid (prussic), unstabilized.</i>   | Forbidden | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |
| Hydrofluoric acid and Sulfuric acid mixtures.  | 8         | UN1786 | I     | 8, 6.1 | ..... | A6, A7, B15, B23, N5, N34, T10, TP2, TP12, TP13     | None  | ..... | 201   | .....     | 243       | Forbidden | 2.5 L     | D     | 40     |
| <i>Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous.</i>   | .....     | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |
| Hydrofluoric acid, with more than 60 percent strength.   | 8         | UN1790 | I     | 8, 6.1 | ..... | A6, A7, B4, B15, B23, N5, N34, T10, TP2, TP12, TP13 | None  | ..... | 201   | .....     | 243       | 0.5 L     | 2.5 L     | D     | 12, 40 |
| Hydrofluoric acid, with not more than 60 percent strength.   | 8         | UN1790 | II    | 8, 6.1 | ..... | A6, A7, B15, IB2, N5, N34, T8, TP2, TP12            | 154   | ..... | 202   | .....     | 243       | 1 L       | 30 L      | D     | 12, 40 |
| <i>Hydrofluoroboric acid, see Fluoroboric acid.</i>  | .....     | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |
| <i>Hydrofluorosilicic acid, see Fluorosilicic acid.</i>  | .....     | .....  | ..... | .....  | ..... | .....   | ..... | ..... | ..... | .....     | .....     | .....     | .....     | ..... | .....  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descriptions and proper shipping names  | Hazard class or Division | Identification Numbers | PG    | Label Codes | Special provisions (§ 172.102)                   | (8)                   |            |                | (9)   |                     | (10)           |             |
|----------|---|--------------------------|------------------------|-------|-------------|--|-----------------------|------------|----------------|---|---------------------|----------------|-------------|
|          |   |                          |                        |       |             |  | Packaging (§ 173.***) |            |                | Quantity limitations (see §§ 173.27 and 175.75) |                     | Vessel stowage |             |
|          |   |                          |                        |       |             |  | Excep-tions           | Non-bulk   | Bulk           | Passenger aircraft/rail                         | Cargo aircraft only | Loca-tion      | Other       |
|          | Hydrogen and Methane mixtures, compressed.  | 2.1                      | UN2034                 | ..... | 2.1 .....   | N89  | 306 .....             | 302 .....  | 302, 314, 315. | Forbidden                                       | 150 kg              | E              | 40, 57      |
|          | Hydrogen bromide, anhydrous ..  | 2.3                      | UN1048                 | ..... | 2.3, 8      | 3, B14, N86, N89                                 | None .....            | 304 .....  | 314, 315.      | Forbidden                                       | Forbidden           | D              | 40          |
|          | Hydrogen chloride, anhydrous ...  | 2.3                      | UN1050                 | ..... | 2.3, 8      | 3, N86, N89                                      | None .....            | 304 .....  | None .....     | Forbidden                                       | Forbidden           | D              | 40          |
|          | Hydrogen chloride, refrigerated liquid.   | 2.3                      | UN2186                 | ..... | 2.3, 8      | 3, B6  | None .....            | None ..... | 314, 315.      | Forbidden                                       | Forbidden           | B              | 40          |
|          | Hydrogen, compressed .....  | 2.1                      | UN1049                 | ..... | 2.1 .....   | N89  | 306 .....             | 302 .....  | 302, 314.      | Forbidden                                       | 150 kg              | E              | 40, 57      |
|          | Hydrogen cyanide, solution in alcohol with not more than 45 percent hydrogen cyanide.                 | 6.1                      | UN3294                 | I     | 6.1, 3      | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None .....            | 227 .....  | 244 .....      | Forbidden                                       | Forbidden           | D              | 40          |
|          | Hydrogen cyanide, stabilized with less than 3 percent water.  | 6.1                      | UN1051                 | I     | 6.1, 3      | 1, B35, B61, B65, B77, B82                       | None .....            | 195 .....  | 244 .....      | Forbidden                                       | Forbidden           | D              | 40          |
|          | Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material. | 6.1                      | UN1614                 | I     | 6.1 .....   | 5  | None .....            | 195 .....  | None .....     | Forbidden                                       | Forbidden           | D              | 25, 40      |
|          | Hydrogen fluoride, anhydrous ....   | 8                        | UN1052                 | I     | 8, 6.1      | 3, B7, B46, B71, B77, N86, T10, TP2              | None .....            | 163 .....  | 243 .....      | Forbidden                                       | Forbidden           | D              | 40          |
|          | Hydrogen in a metal hydride storage system.   | 2.1                      | UN3468                 | ..... | 2.1 .....   | 167  | None .....            | 214 .....  | None .....     | Forbidden                                       | 100 kg gross        | D              |             |
|          | Hydrogen iodide, anhydrous .....  | 2.3                      | UN2197                 | ..... | 2.3 .....   | 3, B14, N86, N89                                 | None .....            | 304 .....  | 314, 315.      | Forbidden                                       | Forbidden           | D              | 40          |
|          | <i>Hydrogen iodide solution, see Hydriodic acid.</i>  | .....                    |                        | ..... | .....       | .....  | .....                 | .....      | .....          | .....   | .....               |                |             |
|          | Hydrogendifluoride, solid, n.o.s  | 8                        | UN1740                 | III   | 8 .....     | IB8, IP3, N3, N34, T1, TP33                      | 154 .....             | 213 .....  | 240 .....      | 25 kg   | 100 kg              | A              | 25, 40, 52. |
|          |   |                          |                        | II    | 8 .....     | IB8, IP2, IP4, N3, N34, T3, TP33                 | None .....            | 212 .....  | 240 .....      | 15 kg   | 50 kg               | A              | 25, 40, 52  |
|          |   |                          |                        | III   | 8 .....     | IB8, IP3, N3, N34, T1, TP33                      | 154 .....             | 213 .....  | 240 .....      | 25 kg   | 100 kg              | A              | 25, 40, 52  |
|          | Hydrogendifluoride solution, n.o.s.   | 8                        | UN3471                 | II    | 8, 6.1      | IB2, T7, TP2                                     | 154 .....             | 202 .....  | 242 .....      | 1 L   | 30 L                | A              | 25, 40, 52. |
|          |   |                          |                        | III   | 8, 6.1      | IB3, T4, TP1                                     | 154 .....             | 203 .....  | 241 .....      | 5 L   | 60 L                | A              | 25, 40, 52. |

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|  |           |        |       |           |   |       |       |           |           |           |       |                                     |
|--|-----------|--------|-------|-----------|---|-------|-------|-----------|-----------|-----------|-------|-------------------------------------|
| Hydrogen peroxide and peroxy-acetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxy-acetic acid.             | 5.1       | UN3149 | II    | 5.1, 8    | 145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24              | None  | 202   | 243       | 1 L       | 5 L       | D     | 25, 66, 75.                         |
| Hydrogen, peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary).    | 5.1       | UN2014 | II    | 5.1, 8    | 12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37 | None  | 202   | 243       | Forbidden | Forbidden | D     | 25, 66, 75                          |
| Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary). | 5.1       | UN2014 | II    | 5.1, 8    | A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37             | None  | 202   | 243       | 1 L       | 5 L       | D     | 25, 66, 75.                         |
| Hydrogen, peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary).     | 5.1       | UN2984 | III   | 5.1       | A1, IB2, IP5, T4, TP1, TP6, TP24, TP37                          | 152   | 203   | 241       | 2.5 L     | 30 L      | B     | 25, 66, 75                          |
| Hydrogen peroxide, stabilized or Hydrogen peroxide aqueous solutions, stabilized with more than 60 percent hydrogen peroxide.                | 5.1       | UN2015 | I     | 5.1, 8    | 12, B53, B80, B81, B85, T9, TP2, TP6, TP24, TP37                | None  | 201   | 243       | Forbidden | Forbidden | D     | 25, 66, 75.                         |
| Hydrogen, refrigerated liquid (cryogenic liquid).  | 2.1       | UN1966 | ..... | 2.1       | T75, TP5  | None  | 316   | 318, 319. | Forbidden | Forbidden | D     | 40                                  |
| Hydrogen selenide, anhydrous ..  | 2.3       | UN2202 | ..... | 2.3, 2.1. | 1   | None  | 192   | 245       | Forbidden | Forbidden | D     | 40                                  |
| Hydrogen sulfate, see Sulfuric acid.   | .....     | .....  | ..... | .....     | .....   | ..... | ..... | .....     | .....     | .....     | ..... | .....                               |
| Hydrogen sulfide .....   | 2.3       | UN1053 | ..... | 2.3, 2.1. | 2, B9, B14, N89   | None  | 304   | 314, 315. | Forbidden | Forbidden | D     | 40                                  |
| Hydrosilicofluoric acid, see Fluorosilicic acid.   | .....     | .....  | ..... | .....     | .....   | ..... | ..... | .....     | .....     | .....     | ..... | .....                               |
| Hydroxyl amine iodide .....  | Forbidden | .....  | ..... | .....     | .....   | ..... | ..... | .....     | .....     | .....     | ..... | .....                               |
| Hydroxylamine sulfate .....  | 8         | UN2865 | III   | 8         | IB8, IP3, T1, TP33  | 154   | 213   | 240       | 25 kg     | 100 kg    | A     | .....                               |
| Hypochlorite solutions .....   | 8         | UN1791 | II    | 8         | A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24                       | 154   | 202   | 242       | 1 L       | 30 L      | B     | 26.                                 |
| Hypochlorites, inorganic, n.o.s. ..  | 5.1       | UN3212 | II    | 5.1       | A9, IB8, IP2, IP4, T3, TP33                                     | 152   | 212   | 240       | 5 kg      | 25 kg     | D     | 4, 48, 52, 56, 58, 69, 106, 116 118 |
| Hyponitrous acid .....   | Forbidden | .....  | ..... | .....     | .....   | ..... | ..... | .....     | .....     | .....     | ..... | .....                               |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                  | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |                    |
|----------|--|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|--------------------|
|          |  |                            |                            |       |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                    |
|          |  |                            |                            |       |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other              |
|          | <i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad.</i>     |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |                    |
|          | Igniters .....   | 1.1G                       | UN0121                     | II    | 1.1G ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....              |
|          | Igniters .....   | 1.2G                       | UN0314                     | II    | 1.2G ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....              |
|          | Igniters .....   | 1.3G                       | UN0315                     | II    | 1.3G ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 07               | .....              |
|          | Igniters .....   | 1.4G                       | UN0325                     | II    | 1.4G ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               | .....              |
|          | Igniters .....   | 1.4S                       | UN0454                     | II    | 1.4S ...    |                                  | None ....             | 62 .....  | None .... | 25 kg   | 100 kg                | 05               | .....              |
|          | 3,3'-Iminodipropylamine .....  | 8                          | UN2269                     | III   | 8 .....     | IB3, T4, TP2                     | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | .....              |
| G        | Infectious substances, affecting animals <i>only</i> .                       | 6.2                        | UN2900                     | ..... | 6.2 .....   | A82                              | 134 .....             | 196 ..... | None .... | 50 mL or 50 g                                   | 4 L or 4 kg           | B                | 40                 |
| G        | Infectious substances, affecting humans.                                     | 6.2                        | UN 2814                    | ..... | 6.2 .....   | A82                              | 134 .....             | 196 ..... | None .... | 50 mL or 50 g                                   | 4 L or 4 kg           | B                | 40                 |
|          | <i>Inflammable, see Flammable</i> .....                                      |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |                    |
|          | <i>Initiating explosives (dry)</i> .....                                     | Forbidden                  |                            |       |             |                                  |                       |           |           |   |                       |                  |                    |
|          | <i>Inositol hexanitrate (dry)</i> .....                                      | Forbidden                  |                            |       |             |                                  |                       |           |           |   |                       |                  |                    |
| G        | Insecticide gases, n.o.s. ....   | 2.2                        | UN1968                     | ..... | 2.2 .....   |                                  | 306 .....             | 304 ..... | 314, 315. | 75 kg   | 150 kg                | A                | .....              |
| G        | Insecticide gases, flammable, n.o.s..  | 2.1                        | UN3354                     | ..... | 2.1 .....   | T50                              | 306 .....             | 304 ..... | 314, 315. | Forbidden                                       | 150 kg                | D                | 40                 |
| G        | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone A.</i> | 2.3                        | UN3355                     | ..... | 2.3, 2.1.   | 1                                | None ....             | 192 ..... | 245 ..... | Forbidden                                       | Forbidden             | D                | 40                 |
| G        | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone B.</i> | 2.3                        | UN3355                     | ..... | 2.3, 2.1.   | 2, B9, B14                       | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | 40                 |
| G        | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone C.</i> | 2.3                        | UN3355                     | ..... | 2.3, 2.1.   | 3, B14                           | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | .....              |
| G        | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone D.</i> | 2.3                        | UN3355                     | ..... | 2.3, 2.1.   | 4                                | None ....             | 302, 305. | 314, 315. | Forbidden                                       | Forbidden             | D                | .....              |
| G        | Insecticide gases, toxic, n.o.s. ...   | 2.3                        | UN1967                     | ..... | 2.3 .....   | 3                                | None ....             | 193, 334. | 245 ..... | Forbidden                                       | Forbidden             | D                | 40                 |
|          | <i>Inulin trinitrate (dry)</i> .....   | Forbidden                  |                            |       |             |                                  |                       |           |           |   |                       |                  |                    |
|          | <i>Iodine azide (dry)</i> .....  | Forbidden                  |                            |       |             |                                  |                       |           |           |   |                       |                  |                    |
|          | Iodine monochloride .....  | 8                          | UN1792                     | II    | 8 .....     | B6, IB8, IP2, IP4, N41, T7, TP2  | None ....             | 212 ..... | 240 ..... | Forbidden                                       | 50 kg                 | D                | 40, 66, 74, 89, 90 |

|  |           |        |     |              |  |      |     |           |           |           |   |                             |
|--|-----------|--------|-----|--------------|--|------|-----|-----------|-----------|-----------|---|-----------------------------|
| Iodine pentafluoride .....   | 5.1       | UN2495 | I   | 5.1, 6.1, 8. |  | None | 205 | 243       | Forbidden | Forbidden | D | 25, 40, 52, 66, 90          |
| 2-Iodobutane .....   | 3         | UN2390 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |                             |
| Iodomethylpropanes .....   | 3         | UN2391 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |                             |
| Iodopropanes .....   | 3         | UN2392 | III | 3            | B1, IB3, T2, TP1                                       | 150  | 203 | 242       | 60 L      | 220 L     | A |                             |
| <i>Iodoxy compounds (dry)</i> .....  | Forbidden |        |     |              |  |      |     |           |           |           |   |                             |
| <i>Iridium nitratopentamine iridium nitrate.</i> .....                             | Forbidden |        |     |              |  |      |     |           |           |           |   |                             |
| <i>Iron chloride, see Ferric chloride</i> .....                                    |           |        |     |              |  |      |     |           |           |           |   |                             |
| Iron oxide, spent, or Iron sponge, spent obtained from coal gas purification. .... | 4.2       | UN1376 | III | 4.2          | B18, IB8, IP3, T1, TP33                                | None | 213 | 240       | Forbidden | Forbidden | E |                             |
| Iron pentacarbonyl .....   | 6.1       | UN1994 | I   | 6.1, 3       | 1, B9, B14, B30, B72, B77, T22, TP2, TP13, TP38, TP44  | None | 226 | 244       | Forbidden | Forbidden | D | 40                          |
| <i>Iron sesquichloride, see Ferric chloride.</i> .....                             |           |        |     |              |  |      |     |           |           |           |   |                             |
| <i>Irritating material, see Tear gas substances, etc.</i> .....                    |           |        |     |              |  |      |     |           |           |           |   |                             |
| Isobutane see also Petroleum gases, liquefied. ....                                | 2.1       | UN1969 |     | 2.1          | 19, T50  | 306  | 304 | 314, 315. | Forbidden | 150 kg    | E | 40                          |
| Isobutanol or Isobutyl alcohol ....  | 3         | UN1212 | III | 3            | B1, IB3, T2, TP1                                       | 150  | 203 | 242       | 60 L      | 220 L     | A |                             |
| Isobutyl acetate .....   | 3         | UN1213 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |                             |
| Isobutyl acrylate, stabilized .....  | 3         | UN2527 | III | 3            | B1, IB3, T2, TP1                                       | 150  | 203 | 242       | 60 L      | 220 L     | A |                             |
| Isobutyl alcohol, see Isobutanol .....   |           |        |     |              |  |      |     |           |           |           |   |                             |
| Isobutyl aldehyde, see Isobutyraldehyde. ....                                      |           |        |     |              |  |      |     |           |           |           |   |                             |
| D Isobutyl chloroformate .....   | 6.1       | NA2742 | I   | 6.1, 3, 8.   | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244       | Forbidden | Forbidden | A | 12, 13, 22, 25, 40, 48, 100 |
| Isobutyl formate .....   | 3         | UN2393 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |                             |
| Isobutyl isobutyrate .....   | 3         | UN2528 | III | 3            | B1, IB3, T2, TP1                                       | 150  | 203 | 242       | 60 L      | 220 L     | A |                             |
| + Isobutyl isocyanate .....  | 3         | UN2486 | I   | 3, 6.1       | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27             | None | 226 | 244       | Forbidden | Forbidden | D | 40                          |
| Isobutyl methacrylate, stabilized .....  | 3         | UN2283 | III | 3            | B1, IB3, T2, TP1                                       | 150  | 203 | 242       | 60 L      | 220 L     | A |                             |
| Isobutyl propionate .....  | 3         | UN2394 | III | 3            | B1, IB3, T2, TP1                                       | 150  | 203 | 242       | 60 L      | 220 L     | B |                             |
| Isobutylamine .....  | 3         | UN1214 | II  | 3, 8         | IB2, T7, TP1   | 150  | 202 | 243       | 1 L       | 5 L       | B | 40                          |
| Isobutylene see also Petroleum gases, liquefied. ....                              | 2.1       | UN1055 |     | 2.1          | 19, T50  | 306  | 304 | 314, 315. | Forbidden | 150 kg    | E | 40                          |
| Isobutyraldehyde or Isobutyl aldehyde. ....  | 3         | UN2045 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | E | 40                          |
| Isobutyric acid .....  | 3         | UN2529 | III | 3, 8         | B1, IB3, T4, TP1                                       | 150  | 203 | 242       | 5 L       | 60 L      | A |                             |
| Isobutyronitrile .....   | 3         | UN2284 | II  | 3, 6.1       | IB2, T7, TP2, TP13                                     | 150  | 202 | 243       | 1 L       | 60 L      | E | 40                          |
| Isobutyryl chloride .....  | 3         | UN2395 | II  | 3, 8         | IB1, T7, TP2   | 150  | 202 | 243       | 1 L       | 5 L       | C | 40                          |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102)     | (8)                   |           |           | (9)   |                       | (10)             |            |
|----------|--|----------------------------|----------------------------|-------|-------------|--------------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|------------|
|          |  |                            |                            |       |             |                                      | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |            |
|          |  |                            |                            |       |             |                                      | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other      |
| G        | Isocyanates, flammable, toxic, n.o.s. or Isocyanate solutions, flammable, toxic, n.o.s. <i>flash point less than 23 degrees C.</i>   | 3                          | UN2478                     | II    | 3, 6.1      | 5, A3, A7, IB2, T11, TP2, TP13, TP27 | 150 .....             | 202 ..... | 243 ..... | 1 L   | 60 L                  | D                | 40         |
|          |  |                            |                            |       |             |                                      | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....      |
| G        | Isocyanates, toxic, flammable, n.o.s. or Isocyanate solutions, toxic, flammable, n.o.s., <i>flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C.</i> | 6.1                        | UN3080                     | II    | 6.1, 3      | IB2, T11, TP2, TP13, TP27            | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | B                | 25, 40, 48 |
| G        | Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>  | 6.1                        | UN2206                     | II    | 6.1 .....   | IB2, T11, TP2, TP13, TP27            | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | E                | 25, 40, 48 |
|          |  |                            |                            |       |             |                                      | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | E                | 25, 40, 48 |
|          | Isocyanatobenzotrifluorides .....  | 6.1                        | UN2285                     | II    | 6.1, 3      | 5, IB2, T7, TP2                      | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | D                | 25, 40, 48 |
|          | Isiheptenes .....  | 3                          | UN2287                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....      |
|          | Isiohexenes .....  | 3                          | UN2288                     | II    | 3 .....     | IB2, IP8, T11, TP1                   | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | E                | .....      |
|          | <i>Isiooctane, see Octanes</i> .....   | .....                      | .....                      | ..... | .....       | .....                                | .....                 | .....     | .....     | .....   | .....                 | .....            | .....      |
|          | Isiooctenes .....  | 3                          | UN1216                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....      |
|          | <i>Isiopentane, see Pentane</i> .....  | .....                      | .....                      | ..... | .....       | .....                                | .....                 | .....     | .....     | .....   | .....                 | .....            | .....      |
|          | <i>Isiopentanoic acid, see Corrosive liquids, n.o.s.</i>   | .....                      | .....                      | ..... | .....       | .....                                | .....                 | .....     | .....     | .....   | .....                 | .....            | .....      |
|          | Isiopentenes .....   | 3                          | UN2371                     | I     | 3 .....     | T11, TP2                             | 150 .....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | E                | .....      |
|          | Isioophorone diisocyanate .....  | 6.1                        | UN2290                     | III   | 6.1 .....   | IB3, T4, TP2                         | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | B                | 40         |
|          | Isioophoronediamine .....  | 8                          | UN2289                     | III   | 8 .....     | IB3, T4, TP1                         | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | .....      |
|          | Isiooprene, stabilized .....   | 3                          | UN1218                     | I     | 3 .....     | T11, TP2                             | 150 .....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | E                | .....      |
|          | Isioopropanol or Isioopropyl alcohol .....   | 3                          | UN1219                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....      |
|          | Isioopropenyl acetate .....  | 3                          | UN2403                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....      |
|          | Isioopropenylbenzene .....   | 3                          | UN2303                     | III   | 3 .....     | B1, IB3, T2, TP1                     | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....      |
|          | Isioopropyl acetate .....  | 3                          | UN1220                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....      |
|          | Isioopropyl acid phosphate .....   | 8                          | UN1793                     | III   | 8 .....     | IB2, T4, TP1                         | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | .....      |

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|--|-----------|--------|-----|------------|---|------|-----|------|-----------|-----------|----|--------|
| Isopropyl alcohol, see Isopropanol.  |           |        |     |            |   |      |     |      |           |           |    |        |
| Isopropyl butyrate   | 3         | UN2405 | III | 3          | B1, IB3, T2, TP1                                      | 150  | 203 | 242  | 60 L      | 220 L     | A  |        |
| Isopropyl chloroacetate  | 3         | UN2947 | III | 3          | B1, IB3, T2, TP1                                      | 150  | 203 | 242  | 60 L      | 220 L     | A  |        |
| Isopropyl chloroformate  | 6.1       | UN2407 | I   | 6.1, 3, 8. | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP44 | None | 227 | 244  | Forbidden | Forbidden | B  | 40     |
| Isopropyl 2-chloropropionate   | 3         | UN2934 | III | 3          | B1, IB3, T2, TP1                                      | 150  | 203 | 242  | 60 L      | 220 L     | A  |        |
| Isopropyl isobutyrate  | 3         | UN2406 | II  | 3          | IB2, T4, TP1  | 150  | 202 | 242  | 5 L       | 60 L      | B  |        |
| + Isopropyl isocyanate   | 3         | UN2483 | I   | 3, 6.1     | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44      | None | 226 | 244  | Forbidden | Forbidden | D  | 40     |
| <i>Isopropyl mercaptan, see Propanethiols.</i>   |           |        |     |            |   |      |     |      |           |           |    |        |
| Isopropyl nitrate  | 3         | UN1222 | II  | 3          | IB9   | 150  | 202 | None | 5 L       | 60 L      | D  |        |
| <i>Isopropyl phosphoric acid, see Isopropyl acid phosphate.</i>  |           |        |     |            |   |      |     |      |           |           |    |        |
| Isopropyl propionate   | 3         | UN2409 | II  | 3          | IB2, T4, TP1  | 150  | 202 | 242  | 5 L       | 60 L      | B  |        |
| Isopropylamine   | 3         | UN1221 | I   | 3, 8       | T11, TP2  | None | 201 | 243  | 0.5 L     | 2.5 L     | E  |        |
| Isopropylbenzene   | 3         | UN1918 | III | 3          | B1, IB3, T2, TP1                                      | 150  | 203 | 242  | 60 L      | 220 L     | A  |        |
| <i>Isopropylcumyl hydroperoxide, with more than 72 percent in solution.</i>  | Forbidden |        |     |            |   |      |     |      |           |           |    |        |
| Isosorbide dinitrate mixture with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate. | 4.1       | UN2907 | II  | 4.1        | IB6, IP2, N85   | None | 212 | None | 15 kg     | 50 kg     | E  | 28, 36 |
| Isosorbide-5-mononitrate   | 4.1       | UN3251 | III | 4.1        | 66, IB8   | 151  | 213 | 240  | Forbidden | Forbidden | D  | 12     |
| <i>Isothiocyanic acid</i>  | Forbidden |        |     |            |   |      |     |      |           |           |    |        |
| <i>Jet fuel, see Fuel aviation, turbine engine.</i>  |           |        |     |            |   |      |     |      |           |           |    |        |
| D Jet perforating guns, charged oil well, with detonator.  | 1.1D      | NA0124 | II  | 1.1D       | 55, 56  | None | 62  | None | Forbidden | Forbidden | 07 |        |
| D Jet perforating guns, charged oil well, with detonator.  | 1.4D      | NA0494 | II  | 1.4D       | 55, 56  | None | 62  | None | Forbidden | Forbidden | 06 |        |
| Jet perforating guns, charged oil well, without detonator.   | 1.1D      | UN0124 | II  | 1.1D       | 55  | None | 62  | None | Forbidden | Forbidden | 07 |        |
| Jet perforating guns, charged, oil well, without detonator.  | 1.4D      | UN0494 | II  | 1.4D       | 55, 114   | None | 62  | None | Forbidden | 300 kg    | 06 |        |
| <i>Jet perforators, see Charges, shaped, etc.</i>  |           |        |     |            |   |      |     |      |           |           |    |        |
| <i>Jet tappers, without detonator, see Charges, shaped, etc.</i>   |           |        |     |            |   |      |     |      |           |           |    |        |
| <i>Jet thrust igniters, for rocket motors or Jato, see Igniters.</i>   |           |        |     |            |   |      |     |      |           |           |    |        |
| <i>Jet thrust unit (Jato), see Rocket motors.</i>  |           |        |     |            |   |      |     |      |           |           |    |        |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols   | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes             | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |       |
|--|---|----------------------------|----------------------------|-------|-------------------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|  |   |                            |                            |       |                         |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|  |   |                            |                            |       |                         |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| G  | Kerosene .....  | 3                          | UN1223                     | III   | 3                       | 144, B1, IB3, T2, TP2            | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
|  | Ketones, liquid, n.o.s. ....  | 3                          | UN1224                     | I     | 3                       | T11, TP1, TP8, TP27              | None                  | 201       | 243       | 1 L   | 30 L                  | E                | ..... |
|  | .....   |                            |                            | II    | 3                       | IB2, T7, TP1, TP8, TP28          | 150                   | 202       | 242       | 5 L   | 60 L                  | B                | ..... |
|  | .....   |                            |                            | III   | 3                       | B1, IB3, T4, TP1, TP29           | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
|  | Krypton, compressed .....   | 2.2                        | UN1056                     | ..... | 2.2                     | .....                            | 306                   | 302       | None      | 75 kg   | 150 kg                | A                | ..... |
|  | Krypton, refrigerated liquid (cryogenic liquid).  | 2.2                        | UN1970                     | ..... | 2.2                     | T75, TP5                         | 320                   | None      | None      | 50 kg   | 500 kg                | B                | ..... |
|  | Lacquer base or lacquer chips, nitrocellulose, dry, see Nitrocellulose, etc. (UN 2557).   | .....                      |                            | ..... | .....                   | .....                            | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
|  | Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint etc.(UN1263). | .....                      |                            | ..... | .....                   | .....                            | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
|  | Lead acetate .....  | 6.1                        | UN1616                     | III   | 6.1                     | IB8, IP3, T1, TP33               | 153                   | 213       | 240       | 100 kg  | 200 kg                | A                | ..... |
|  | Lead arsenates .....  | 6.1                        | UN1617                     | II    | 6.1                     | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242       | 25 kg   | 100 kg                | A                | ..... |
| Lead arsenites .....   | 6.1   | UN1618                     | II                         | 6.1   | IB8, IP2, IP4, T3, TP33 | 153                              | 212                   | 242       | 25 kg     | 100 kg  | A                     | .....            |       |
| Lead azide (dry) .....   | Forbidden   |                            |                            |       |                         |                                  |                       |           |           |   |                       |                  |       |
| Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass. | 1.1A  | UN0129                     | II                         | 1.1A  | 111, 117                | None                             | 62                    | None      | Forbidden | Forbidden                                       | 12                    | .....            |       |
| Lead compounds, soluble, n.o.s.  | 6.1   | UN2291                     | III                        | 6.1   | 138, IB8, IP3, T1, TP33 | 153                              | 213                   | 240       | 100 kg    | 200 kg  | A                     | .....            |       |
| Lead cyanide .....   | 6.1   | UN1620                     | II                         | 6.1   | IB8, IP2, IP4, T3, TP33 | 153                              | 212                   | 242       | 25 kg     | 100 kg  | A                     | 52               |       |
| Lead dioxide .....   | 5.1   | UN1872                     | III                        | 5.1   | A1, IB8, IP3, T1, TP33  | 152                              | 213                   | 240       | 25 kg     | 100 kg  | A                     | .....            |       |
| Lead dross, see Lead sulfate, with more than 3 percent free acid.                                | .....   |                            | .....                      | ..... | .....                   | .....                            | .....                 | .....     | .....     | .....   | .....                 | .....            |       |

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| Lead nitrate .....   | 5.1       | UN1469 | II  | 5.1,<br>6.1. | IB8, IP2, IP4, T3,<br>TP33 | 152 .....  | 212 .....  | 242 .....    | 5 kg      | 25 kg     | A  | .....  |
| <i>Lead nitroresorcinate (dry)</i> .....   | Forbidden |        |     |              |                            |            |            |              |           |           |    |        |
| Lead perchlorate, solid .....  | 5.1       | UN1470 | II  | 5.1,<br>6.1. | IB6, IP2, T3,<br>TP33      | 152 .....  | 212 .....  | 242 .....    | 5 kg      | 25 kg     | A  | 56, 58 |
| Lead perchlorate, solution .....   | 5.1       | UN3408 | II  | 5.1,<br>6.1. | IB2, T4, TP1               | 152 .....  | 202 .....  | 243 .....    | 1 L       | 5 L       | A  | 56, 58 |
|  |           |        | III | 5.1,<br>6.1. | IB2, T4, TP1               | 152 .....  | 203 .....  | 242 .....    | 2.5 L     | 30 L      | A  | 56, 58 |
| <i>Lead peroxide, see Lead dioxide</i> .....   |           |        |     |              |                            |            |            |              |           |           |    |        |
| Lead phosphite, dibasic .....  | 4.1       | UN2989 | II  | 4.1 .....    | IB8, IP2, IP4, T3,<br>TP33 | None ..... | 212 .....  | 240 .....    | 15 kg     | 50 kg     | B  | 34.    |
|  |           |        | III | 4.1 .....    | IB8, IP3, T1,<br>TP33      | 151 .....  | 213 .....  | 240 .....    | 25 kg     | 100 kg    | B  | 34.    |
| <i>Lead picrate (dry)</i> .....  | Forbidden |        |     |              |                            |            |            |              |           |           |    |        |
| <i>Lead styphnate (dry)</i> .....  | Forbidden |        |     |              |                            |            |            |              |           |           |    |        |
| Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass. | 1.1A      | UN0130 | II  | 1.1A ...     | 111, 117                   | None ..... | 62 .....   | None .....   | Forbidden | Forbidden | 12 | .....  |
| Lead sulfate with more than 3 percent free acid.   | 8         | UN1794 | II  | 8 .....      | IB8, IP2, IP4, T3,<br>TP33 | 154 .....  | 212 .....  | 240 .....    | 15 kg     | 50 kg     | A  | .....  |
| Lead trinitroresorcinate, see Lead styphnate, etc.   |           |        |     |              |                            |            |            |              |           |           |    |        |
| Life-saving appliances, not self inflating containing dangerous goods as equipment.  | 9         | UN3072 |     | None         |                            | None ..... | 219 .....  | None .....   | No limit  | No limit  | A  | .....  |
| Life-saving appliances, self inflating.  | 9         | UN2990 |     | None         |                            | None ..... | 219 .....  | None .....   | No limit  | No limit  | A  | .....  |
| Lighters containing flammable gas.   | 2.1       | UN1057 |     | 2.1 .....    | 168                        | 21,308     | 21,308     | None .....   | 1 kg      | 15 kg     | B  | 40     |
| <i>Lighters, new or empty, purged of all residual fuel and vapors.</i>   |           |        |     |              | 168                        |            |            |              |           |           |    |        |
| Lighters, non-pressurized, containing flammable liquid.  | 3         | NA1057 | II  | 3 .....      | 168                        | 21 .....   | None ..... | None .....   | Forbidden | Forbidden | B  | 40     |
| Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams of flammable gas.                 | 2.1       | UN1057 |     | 2.1 .....    | 169                        | 306 .....  | 306 .....  | None .....   | 1 kg      | 15 kg     | B  | 40     |
| <i>Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.</i>            |           |        |     |              |                            |            |            |              |           |           |    |        |
| Lighters, fuse .....   | 1.4S      | UN0131 | II  | 1.4S ...     |                            | None ..... | 62 .....   | None .....   | 25 kg     | 100 kg    | 05 | .....  |
| <i>Lime, unslaked, see Calcium oxide.</i>  |           |        |     |              |                            |            |            |              |           |           |    |        |
| G Liquefied gas, flammable, n.o.s.   | 2.1       | UN3161 |     | 2.1 .....    | T50                        | 306 .....  | 304 .....  | 314,<br>315. | Forbidden | 150 kg    | D  | 40     |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                         | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes  | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |        |
|----------|---|----------------------------|----------------------------|-------|--------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|--------|
|          |   |                            |                            |       |              |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|          |   |                            |                            |       |              |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
| G        | Liquefied gas, n.o.s. ....  | 2.2                        | UN3163                     | ..... | 2.2          | T50                              | 306                   | 304       | 314, 315. | 75 kg   | 150 kg                | A                | .....  |
| G        | Liquefied gas, oxidizing, n.o.s. ...  | 2.2                        | UN3157                     | ..... | 2.2, 5.1.    | A14                              | 306                   | 304       | 314, 315. | 75 kg   | 150 kg                | D                | .....  |
| G I      | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i>            | 2.3                        | UN3308                     | ..... | 2.3, 8       | 1                                | None                  | 192       | 245       | Forbidden                                       | Forbidden             | D                | 40     |
| G I      | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>            | 2.3                        | UN3308                     | ..... | 2.3, 8       | 2, B9, B14                       | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40     |
| G I      | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i>            | 2.3                        | UN3308                     | ..... | 2.3, 8       | 3, B14                           | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40     |
| G I      | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>            | 2.3                        | UN3308                     | ..... | 2.3, 8       | 4                                | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40     |
| G I      | Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3                        | UN3309                     | ..... | 2.3, 2.1, 8. | 1                                | None                  | 192       | 245       | Forbidden                                       | Forbidden             | D                | 17, 40 |
| G I      | Liquefied gas toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>  | 2.3                        | UN3309                     | ..... | 2.3, 2.1, 8. | 2, B9, B14                       | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 17, 40 |
| G I      | Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i> | 2.3                        | UN3309                     | ..... | 2.3, 2.1, 8. | 3, B14                           | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 17, 40 |
| G I      | Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3                        | UN3309                     | ..... | 2.3, 2.1, 8. | 4                                | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 17, 40 |
| G        | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A.</i>            | 2.3                        | UN3160                     | ..... | 2.3, 2.1.    | 1                                | None                  | 192       | 245       | Forbidden                                       | Forbidden             | D                | 40     |
| G        | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B.</i>            | 2.3                        | UN3160                     | ..... | 2.3, 2.1.    | 2, B9, B14                       | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40     |
| G        | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C.</i>            | 2.3                        | UN3160                     | ..... | 2.3, 2.1.    | 3, B14                           | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40     |
| G        | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D.</i>            | 2.3                        | UN3160                     | ..... | 2.3, 2.1.    | 4                                | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40     |

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|-----|---|-------|--------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|-------|-----------|-----------|-------|------------|
| G   | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A.</i>                       | 2.3   | UN3162 | ..... | 2.3   | ..... | 1                       | None  | ....  | 192   | ..... | 245   | ..... | Forbidden | Forbidden | D     | 40         |
| G   | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B.</i>                       | 2.3   | UN3162 | ..... | 2.3   | ..... | 2, B9, B14              | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40         |
| G   | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C.</i>                       | 2.3   | UN3162 | ..... | 2.3   | ..... | 3, B14                  | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40         |
| G   | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D.</i>                       | 2.3   | UN3162 | ..... | 2.3   | ..... | 4                       | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40         |
| G I | Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3   | UN3310 | ..... | 2.3,  | 5.1,  | 1                       | None  | ....  | 192   | ..... | 245   | ..... | Forbidden | Forbidden | D     | 40, 89, 90 |
| G I | Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3   | UN3310 | ..... | 2.3,  | 5.1,  | 2, B9, B14              | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40, 89, 90 |
| G I | Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i> | 2.3   | UN3310 | ..... | 2.3,  | 5.1,  | 3, B14                  | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40, 89, 90 |
| G I | Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3   | UN3310 | ..... | 2.3,  | 5.1,  | 4                       | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40, 89, 90 |
| G   | Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A.</i>            | 2.3   | UN3307 | ..... | 2.3,  | 5.1.  | 1                       | None  | ....  | 192   | ..... | 245   | ..... | Forbidden | Forbidden | D     | 40         |
| G   | Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B.</i>            | 2.3   | UN3307 | ..... | 2.3,  | 5.1.  | 2, B9, B14              | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40         |
| G   | Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C.</i>            | 2.3   | UN3307 | ..... | 2.3,  | 5.1.  | 3, B14                  | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40         |
| G   | Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D.</i>            | 2.3   | UN3307 | ..... | 2.3,  | 5.1.  | 4                       | None  | ....  | 304   | ..... | 314,  | 315.  | Forbidden | Forbidden | D     | 40         |
|     | Liquefied gases, <i>non-flammable charged with nitrogen, carbon dioxide or air.</i> | 2.2   | UN1058 | ..... | 2.2   | ..... | 306                     | ..... | 304   | ..... | None  | ..... | 75 kg | 150 kg    | A         | ..... |            |
|     | <i>Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s..</i>   | ..... | .....  | ..... | ..... | ..... | .....                   | ..... | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... |            |
|     | <i>Liquefied natural gas, see Methane, etc. (UN 1972).</i>                          | ..... | .....  | ..... | ..... | ..... | .....                   | ..... | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... |            |
|     | <i>Liquefied petroleum gas see Petroleum gases, liquefied.</i>                      | ..... | .....  | ..... | ..... | ..... | .....                   | ..... | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... |            |
|     | Lithium .....   | 4.3   | UN1415 | I     | 4.3   | ..... | A7, A19, IB4, IP1, N45  | None  | ....  | 211   | ..... | 244   | ..... | Forbidden | 15 kg     | E     | 52         |
|     | <i>Lithium acetylide ethylene-diamine complex, see Water reactive solid etc.</i>    | ..... | .....  | ..... | ..... | ..... | .....                   | ..... | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... |            |
|     | Lithium alkyls, liquid .....  | 4.2   | UN2445 | I     | 4.2,  | 4.3.  | 173, B11, T21, TP2, TP7 | None  | ....  | 181   | ..... | 244   | ..... | Forbidden | Forbidden | D     | .....      |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)        | (8)                   |           |           | (9)   |                       | (10)             |                                 |
|----------|---|----------------------------|----------------------------|-----|-------------|---|-----------------------|-----------|-----------|---|-----------------------|------------------|---------------------------------|
|          |   |                            |                            |     |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                                 |
|          |   |                            |                            |     |             |   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                           |
|          | Lithium alkyls, solid .....   | 4.2                        | UN3433                     | I   | 4.2, 4.3    | 173, B11, T21, TP7, TP33                | None ....             | 181 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | .....                           |
|          | Lithium aluminum hydride .....  | 4.3                        | UN1410                     | I   | 4.3         | A19                                     | None ....             | 211 ..... | 242 ..... | Forbidden                                       | 15 kg                 | E                | 52                              |
|          | Lithium aluminum hydride, ethe- real.   | 4.3                        | UN1411                     | I   | 4.3, 3      | A2, A3, A11, N34                        | None ....             | 201 ..... | 244 ..... | Forbidden                                       | 1 L                   | D                | 40                              |
|          | Lithium batteries, contained in equipment.  | 9                          | UN3091                     | II  | 9           | 29, 188, 189, 190, A54, A55, A101, A104 | 185 .....             | 185 ..... | None .... | See A101, A104.                                 | 35 kg                 | A                | .....                           |
|          | Lithium batteries packed with equipment.  | 9                          | UN3091                     | II  | 9           | 29, 188, 189, 190, A54, A55, A101, A103 | 185 .....             | 185 ..... | None .... | See A101, A103.                                 | 35 kg gross           | A                | .....                           |
|          | Lithium battery .....   | 9                          | UN3090                     | II  | 9           | 29, 188, 189, 190, A54, A55, A100.      | 185 .....             | 185 ..... | None .... | See A100  | 35 kg gross           | A                | .....                           |
|          | Lithium borohydride .....   | 4.3                        | UN1413                     | I   | 4.3         | A19, N40                                | None ....             | 211 ..... | 242 ..... | Forbidden                                       | 15 kg                 | E                | 52                              |
|          | Lithium ferrosilicon .....  | 4.3                        | UN2830                     | II  | 4.3         | A19, IB7, IP2, T3, TP33                 | 151 .....             | 212 ..... | 241 ..... | 15 kg   | 50 kg                 | E                | 40, 85, 103                     |
|          | Lithium hydride .....   | 4.3                        | UN1414                     | I   | 4.3         | A19, N40                                | None ....             | 211 ..... | 242 ..... | Forbidden                                       | 15 kg                 | E                | 52                              |
|          | Lithium hydride, fused solid .....  | 4.3                        | UN2805                     | II  | 4.3         | A8, A19, A20, IB4, T3, TP33             | 151 .....             | 212 ..... | 241 ..... | 15 kg   | 50 kg                 | E                | 52                              |
|          | Lithium hydroxide .....   | 8                          | UN2680                     | II  | 8           | IB8, IP2, IP4, T3, TP33                 | 154 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                 | A                | 52.                             |
|          | Lithium hydroxide, solution .....   | 8                          | UN2679                     | II  | 8           | B2, IB2, T7, TP2                        | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | A                | 29, 52.                         |
|          |   |                            |                            | III | 8           | IB3, T4, TP2                            | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | 29, 52, 96.                     |
|          | Lithium hypochlorite, dry <i>with more than 39% available chlo- rine (8.8% available oxygen) or Lithium hypochlorite mix- tures, dry with more than 39% available chlorine (8.8% avail- able oxygen).</i> | 5.1                        | UN1471                     | II  | 5.1         | A9, IB8, IP2, IP4, N34                  | 152 .....             | 212 ..... | 240 ..... | 5 kg  | 25 kg                 | A                | 4, 48, 52, 56, 58, 69, 106, 116 |
|          | <i>Lithium in cartridges, see Lith- ium.</i>  |                            |                            |     |             |   |                       |           |           |   |                       |                  |                                 |
|          | Lithium nitrate .....   | 5.1                        | UN2722                     | III | 5.1         | A1, IB8, IP3, T1, TP33                  | 152 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | .....                           |
|          | Lithium nitride .....   | 4.3                        | UN2806                     | I   | 4.3         | A19, IB4, IP1, N40                      | None ....             | 211 ..... | 242 ..... | Forbidden                                       | 15 kg                 | E                | .....                           |
|          | Lithium peroxide .....  | 5.1                        | UN1472                     | II  | 5.1         | A9, IB6, IP2, N34, T3, TP33             | 152 .....             | 212 ..... | None .... | 5 kg  | 25 kg                 | A                | 13, 52, 66, 75                  |

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|--|-----------|--------|-----|-----------|------------------------------|------------|-----------|------------|-----------|-----------|---|---------------------|
| Lithium silicon .....  | 4.3       | UN1417 | II  | 4.3 ..... | A19, A20, IB7, IP2, T3, TP33 | 151 .....  | 212 ..... | 241 .....  | 15 kg     | 50 kg     | A | 85, 103             |
| LNG, see Methane etc. (UN 1972).   |           |        |     |           |                              |            |           |            |           |           |   |                     |
| London purple .....  | 6.1       | UN1621 | II  | 6.1 ..... | IB8, IP2, IP4, T3, TP33      | 153 .....  | 212 ..... | 242 .....  | 25 kg     | 100 kg    | A |                     |
| LPG, see Petroleum gases, liquefied.   |           |        |     |           |                              |            |           |            |           |           |   |                     |
| Lye, see Sodium hydroxide, solutions.  |           |        |     |           |                              |            |           |            |           |           |   |                     |
| Magnesium alkyls .....   | 4.2       | UN3053 | I   | 4.2, 4.3. | B11, T21, TP2, TP7           | None ..... | 181 ..... | 244 .....  | Forbidden | Forbidden | D | 18                  |
| Magnesium aluminum phosphide.  | 4.3       | UN1419 | I   | 4.3, 6.1. | A19, N34, N40                | None ..... | 211 ..... | 242 .....  | Forbidden | 15 kg     | E | 40, 52, 85          |
| + Magnesium arsenate .....   | 6.1       | UN1622 | II  | 6.1 ..... | IB8, IP2, IP4, T3, TP33      | 153 .....  | 212 ..... | 242 .....  | 25 kg     | 100 kg    | A |                     |
| Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s..                           |           |        |     |           |                              |            |           |            |           |           |   |                     |
| Magnesium bromate .....  | 5.1       | UN1473 | II  | 5.1 ..... | A1, IB8, IP4, T3, TP33       | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A | 56, 58              |
| Magnesium chlorate .....   | 5.1       | UN2723 | II  | 5.1 ..... | IB8, IP2, IP4, T3, TP33      | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A | 56, 58              |
| Magnesium diamide .....  | 4.2       | UN2004 | II  | 4.2 ..... | A8, A19, A20, IB6, T3, TP33  | None ..... | 212 ..... | 241 .....  | 15 kg     | 50 kg     | C |                     |
| Magnesium diphenyl .....   | 4.2       | UN2005 | I   | 4.2 ..... | 173, T21, TP7, TP33          | None ..... | 187 ..... | 244 .....  | Forbidden | Forbidden | C |                     |
| Magnesium dross, wet or hot .....  | Forbidden |        |     |           |                              |            |           |            |           |           |   |                     |
| Magnesium fluorosilicate .....   | 6.1       | UN2853 | III | 6.1 ..... | IB8, IP3, T1, TP33           | 153 .....  | 213 ..... | 240 .....  | 100 kg    | 200 kg    | A | 52                  |
| Magnesium granules, coated, particle size not less than 149 microns.                               | 4.3       | UN2950 | III | 4.3 ..... | A1, A19, IB8, IP4, T1, TP33  | 151 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A | 52                  |
| Magnesium hydride .....  | 4.3       | UN2010 | I   | 4.3 ..... | A19, N40                     | None ..... | 211 ..... | 242 .....  | Forbidden | 15 kg     | E | 52                  |
| Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons. | 4.1       | UN1869 | III | 4.1 ..... | A1, IB8, IP3, T1, TP33       | 151 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A | 39, 52, 53, 74, 101 |
| Magnesium nitrate .....  | 5.1       | UN1474 | III | 5.1 ..... | A1, IB8, IP3, T1, TP33       | 152 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A |                     |
| Magnesium perchlorate .....  | 5.1       | UN1475 | II  | 5.1 ..... | IB6, IP2, T3, TP33           | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A | 56, 58              |
| Magnesium peroxide .....   | 5.1       | UN1476 | II  | 5.1 ..... | IB6, IP2, T3, TP33           | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A | 13, 52, 66, 75      |
| Magnesium phosphide .....  | 4.3       | UN2011 | I   | 4.3, 6.1. | A19, N40                     | None ..... | 211 ..... | None ..... | Forbidden | 15 kg     | E | 40, 52, 85          |
| Magnesium, powder or Magnesium alloys, powder.   | 4.3       | UN1418 | I   | 4.3, 4.2. | A19, B56                     | None ..... | 211 ..... | 244 .....  | Forbidden | 15 kg     | A | 39, 52              |
| .....  |           |        | II  | 4.3, 4.2. | A19, B56, IB5, IP2, T3, TP33 | None ..... | 212 ..... | 241 .....  | 15 kg     | 50 kg     | A | 39, 52              |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descriptions and proper shipping names  | Hazard class or Division | Identification Numbers | PG  | Label Codes | Special provisions (§ 172.102)  | (8)                   |          |      | (9)   |                     | (10)           |         |
|----------|---|--------------------------|------------------------|-----|-------------|---------------------------------|-----------------------|----------|------|---|---------------------|----------------|---------|
|          |   |                          |                        |     |             |                                 | Packaging (§ 173.***) |          |      | Quantity limitations (see §§ 173.27 and 175.75) |                     | Vessel stowage |         |
|          |   |                          |                        |     |             |                                 | Excep-tions           | Non-bulk | Bulk | Passenger aircraft/rail                         | Cargo aircraft only | Loca-tion      | Other   |
|          |   |                          |                        | III | 4.3, 4.2.   | A19, B56, IB8, IP4, T1, TP33    | None                  | 213      | 241  | 25 kg   | 100 kg              | A              | 39, 52  |
|          | <i>Magnesium scrap, see Magnesium, etc. (UN 1869).</i>  |                          |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | Magnesium silicide  | 4.3                      | UN2624                 | II  | 4.3         | A19, A20, IB7, IP2, T3, TP33    | 151                   | 212      | 241  | 15 kg   | 50 kg               | B              | 85, 103 |
|          | <i>Magnetized material, see § 173.21.</i>   |                          |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | Maleic anhydride  | 8                        | UN2215                 | III | 8           | IB8, IP3, T1, TP33              | 154                   | 213      | 240  | 25 kg   | 100 kg              | A              |         |
|          | Maleic anhydride, molten  | 8                        | UN2215                 | III | 8           | T4, TP3                         | None                  | 213      | 240  | Forbidden                                       | Forbidden           | A              |         |
|          | Malononitrile   | 6.1                      | UN2647                 | II  | 6.1         | IB8, IP2, IP4, T3, TP33         | 153                   | 212      | 242  | 25 kg   | 100 kg              | A              | 12      |
|          | <i>Mancozeb (manganese ethylenebisdithiocarbamate complex with zinc) see Maneb.</i>   |                          |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | Maneb or Maneb preparations with not less than 60 percent maneb.  | 4.2                      | UN2210                 | III | 4.2, 4.3.   | 57, A1, A19, IB6, T1, TP33      | None                  | 213      | 242  | 25 kg   | 100 kg              | A              | 34      |
|          | Maneb stabilized or Maneb preparations, stabilized against self-heating.  | 4.3                      | UN2968                 | III | 4.3         | 54, A1, A19, IB8, IP4, T1, TP33 | 151                   | 213      | 242  | 25 kg   | 100 kg              | B              | 34, 52  |
|          | Manganese nitrate   | 5.1                      | UN2724                 | III | 5.1         | A1, IB8, IP3, T1, TP33          | 152                   | 213      | 240  | 25 kg   | 100 kg              | A              |         |
|          | Manganese resinate  | 4.1                      | UN1330                 | III | 4.1         | A1, IB6, T1, TP33               | 151                   | 213      | 240  | 25 kg   | 100 kg              | A              |         |
|          | <i>Mannitan tetranitrate</i>  | Forbidden                |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | <i>Mannitol hexanitrate (dry)</i>   | Forbidden                |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | Mannitol hexanitrate, wetted or Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass. | 1.1D                     | UN0133                 | II  | 1.1D        | 121                             | None                  | 62       | None | Forbidden                                       | Forbidden           | 10             |         |
|          | <i>Marine pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s..</i>               |                          |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | <i>Matches, block, see Matches, 'strike anywhere'.</i>  |                          |                        |     |             |                                 |                       |          |      |   |                     |                |         |
|          | Matches, fusee  | 4.1                      | UN2254                 | III | 4.1         |                                 | 186                   | 186      | None | Forbidden                                       | Forbidden           | A              |         |

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|--|-----------|--------|-----|--------|-------------------------------|------|-------|-----|-------|------|-------|-----------|-----------|----|---------|
| Matches, safety ( <i>book, card or strike on box</i> )   | 4.1       | UN1944 | III | 4.1    | .....                         | 186  | ..... | 186 | ..... | None | ..... | 25 kg     | 100 kg    | A  | .....   |
| Matches, strike anywhere   | 4.1       | UN1331 | III | 4.1    | .....                         | 186  | ..... | 186 | ..... | None | ..... | Forbidden | Forbidden | B  | .....   |
| Matches, wax, Vesta  | 4.1       | UN1945 | III | 4.1    | .....                         | 186  | ..... | 186 | ..... | None | ..... | 25 kg     | 100 kg    | B  | .....   |
| <i>Matting acid, see Sulfuric acid</i>   |           |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |
| Medicine, liquid, flammable, toxic, n.o.s..  | 3         | UN3248 | II  | 3, 6.1 | 36, IB2                       | 150  | ..... | 202 | ..... | None | ..... | 1 L       | 5 L       | B  | 40      |
| .....  |           |        | III | 3, 6.1 | 36, IB3                       | 150  | ..... | 203 | ..... | None | ..... | 5 L       | 5 L       | A  | .....   |
| Medicine, liquid, toxic, n.o.s.  | 6.1       | UN1851 | II  | 6.1    | 36                            | 153  | ..... | 202 | ..... | 243  | ..... | 5 L       | 5 L       | C  | 40      |
| .....  |           |        | III | 6.1    | 36                            | 153  | ..... | 203 | ..... | 241  | ..... | 5 L       | 5 L       | C  | 40      |
| Medicine, solid, toxic, n.o.s.   | 6.1       | UN3249 | II  | 6.1    | 36, T3, TP33                  | 153  | ..... | 212 | ..... | None | ..... | 5 kg      | 5 kg      | C  | 40      |
| .....  |           |        | III | 6.1    | 36, T1, TP33                  | 153  | ..... | 213 | ..... | None | ..... | 5 kg      | 5 kg      | C  | 40      |
| <i>Mentetrahydrophthalic anhydride, see Corrosive liquids, n.o.s..</i>   |           |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |
| Mercaptans, liquid, flammable, n.o.s. or Mercaptan mixture, liquid, flammable, n.o.s..   | 3         | UN3336 | I   | 3      | T11, TP2                      | 150  | ..... | 201 | ..... | 243  | ..... | 1 L       | 30 L      | E  | 95      |
| .....  |           |        | II  | 3      | IB2, T7, TP1, TP8, TP28       | 150  | ..... | 202 | ..... | 242  | ..... | 5 L       | 60 L      | B  | 95      |
| .....  |           |        | III | 3      | B1, B52, IB3, T4, TP1, TP29   | 150  | ..... | 203 | ..... | 241  | ..... | 60 L      | 220 L     | B  | 95      |
| Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s..  | 3         | UN1228 | II  | 3, 6.1 | IB2, T11, TP2, TP27           | None | ..... | 202 | ..... | 243  | ..... | Forbidden | 60 L      | B  | 40, 95  |
| .....  |           |        | III | 3, 6.1 | A6, B1, IB3, T7, TP1, TP28    | 150  | ..... | 203 | ..... | 242  | ..... | 5 L       | 220 L     | A  | 40, 95  |
| Mercaptans, liquid, toxic, flammable, n.o.s. or Mercaptan mixtures, liquid, toxic, flammable, n.o.s., <i>flash point not less than 23 degrees C.</i> | 6.1       | UN3071 | II  | 6.1, 3 | A6, IB2, T11, TP2, TP13, TP27 | 153  | ..... | 202 | ..... | 243  | ..... | 5 L       | 60 L      | C  | 40, 121 |
| 5-Mercaptotetrazol-1-acetic acid   | 1.4C      | UN0448 | II  | 1.4C   | ..                            | None | ..... | 62  | ..... | None | ..... | Forbidden | 75 kg     | 09 | .....   |
| Mercuric arsenate  | 6.1       | UN1623 | II  | 6.1    | IB8, IP2, IP4, T3, TP33       | 153  | ..... | 212 | ..... | 242  | ..... | 25 kg     | 100 kg    | A  | .....   |
| Mercuric chloride  | 6.1       | UN1624 | II  | 6.1    | IB8, IP2, IP4, T3, TP33       | 153  | ..... | 212 | ..... | 242  | ..... | 25 kg     | 100 kg    | A  | .....   |
| <i>Mercuric compounds, see Mercury compounds, etc.</i>   |           |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |
| Mercuric nitrate   | 6.1       | UN1625 | II  | 6.1    | IB8, IP2, IP4, N73, T3, TP33  | 153  | ..... | 212 | ..... | 242  | ..... | 25 kg     | 100 kg    | A  | .....   |
| + Mercuric potassium cyanide   | 6.1       | UN1626 | I   | 6.1    | IB7, IP1, N74, N75, T6, TP33  | None | ..... | 211 | ..... | 242  | ..... | 5 kg      | 50 kg     | A  | 52      |
| <i>Mercuric sulfocyanate, see Mercury thiocyanate.</i>   |           |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |
| <i>Mercuriol, see Mercury nucleate</i>   |           |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |
| <i>Mercurous azide</i>   | Forbidden |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |
| <i>Mercurous compounds, see Mercury compounds, etc.</i>  |           |        |     |        |                               |      |       |     |       |      |       |           |           |    |         |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols                                | Hazardous materials descrip-tions and proper shipping names                                      | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes             | Special provi- sions (§ 172.102) | (8)                   |           |        | (9)   |                       | (10)             |        |
|---|--|----------------------------|----------------------------|-----|-------------------------|----------------------------------|-----------------------|-----------|--------|---|-----------------------|------------------|--------|
|   |  |                            |                            |     |                         |                                  | Packaging (§ 173.***) |           |        | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|   |  |                            |                            |     |                         |                                  | Excep- tions          | Non- bulk | Bulk   | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
| A W                                     | Mercurous nitrate .....  | 6.1                        | UN1627                     | II  | 6.1                     | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242    | 25 kg   | 100 kg                | A                | .....  |
|   | Mercury .....  | 8                          | UN2809                     | III | 8                       |                                  | 164                   | 164       | 240    | 35 kg   | 35 kg                 | B                | 40, 97 |
|   | Mercury acetate .....  | 6.1                        | UN1629                     | II  | 6.1                     | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242    | 25 kg   | 100 kg                | A                | .....  |
|   | Mercury acetylde .....   | Forbidden                  |                            |     |                         |                                  |                       |           |        |   |                       |                  |        |
|   | Mercury ammonium chloride .....  | 6.1                        | UN1630                     | II  | 6.1                     | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242    | 25 kg   | 100 kg                | A                | .....  |
|   | Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. ....     | 3                          | UN2778                     | I   | 3, 6.1                  | T14, TP2, TP13, TP27             | None                  | 201       | 243    | Forbidden                                       | 30 L                  | B                | 40     |
|   | .....  |                            |                            | II  | 3, 6.1                  | IB2, T11, TP2, TP13, TP27        | 150                   | 202       | 243    | 1 L   | 60 L                  | B                | 40     |
|   | Mercury based pesticides, liquid, toxic. ....  | 6.1                        | UN3012                     | I   | 6.1                     | T14, TP2, TP13, TP27             | None                  | 201       | 243    | 1 L   | 30 L                  | B                | 40     |
|   | .....  |                            |                            | II  | 6.1                     | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243    | 5 L   | 60 L                  | B                | 40     |
|   | .....  |                            |                            | III | 6.1                     | IB3, T7, TP2, TP28               | 153                   | 203       | 241    | 60 L  | 220 L                 | A                | 40     |
|   | Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. .... | 6.1                        | UN3011                     | I   | 6.1, 3                  | T14, TP2, TP13, TP27             | None                  | 201       | 243    | 1 L   | 30 L                  | B                | 40     |
|   | .....  |                            |                            | II  | 6.1, 3                  | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243    | 5 L   | 60 L                  | B                | 40     |
|   | .....  |                            |                            | III | 6.1, 3                  | IB3, T7, TP2, TP28               | 153                   | 203       | 242    | 60 L  | 220 L                 | A                | 40     |
|   | Mercury based pesticides, solid, toxic. ....   | 6.1                        | UN2777                     | I   | 6.1                     | IB7, IP1, T6, TP33               | None                  | 211       | 242    | 5 kg  | 50 kg                 | A                | 40     |
|   | .....  |                            |                            | II  | 6.1                     | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242    | 25 kg   | 100 kg                | A                | 40     |
| .....                                   |  |                            | III                        | 6.1 | IB8, IP3, T1, TP33      | 153                              | 213                   | 240       | 100 kg | 200 kg  | A                     | 40               |        |
| Mercury benzoate .....                  | 6.1  | UN1631                     | II                         | 6.1 | IB8, IP2, IP4, T3, TP33 | 153                              | 212                   | 242       | 25 kg  | 100 kg  | A                     | .....            |        |
| Mercury bromides .....                  | 6.1  | UN1634                     | II                         | 6.1 | IB8, IP2, IP4, T3, TP33 | 153                              | 212                   | 242       | 25 kg  | 100 kg  | A                     | .....            |        |
| Mercury compounds, liquid, n.o.s.. .... | 6.1  | UN2024                     | I                          | 6.1 |                         | None                             | 201                   | 243       | 1 L    | 30 L  | B                     | 40               |        |
| .....                                   |  |                            | II                         | 6.1 | IB2                     | 153                              | 202                   | 243       | 5 L    | 60 L  | B                     | 40               |        |
| .....                                   |  |                            | III                        | 6.1 | IB3                     | 153                              | 203                   | 241       | 60 L   | 220 L   | B                     | 40               |        |

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|---|--|-----------|--------|-----|------|-----------------------------------|------|-----|------|-----------|-----------|----|--------|
|   | Mercury compounds, solid, n.o.s..  | 6.1       | UN2025 | I   | 6.1  | IB7, IP1, T6, TP33                | None | 211 | 242  | 5 kg      | 50 kg     | A  |        |
|   |  |           |        | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   |  |           |        | III | 6.1  | IB8, IP3, T1, TP33                | 153  | 213 | 240  | 100 kg    | 200 kg    | A  |        |
| A | Mercury contained in manufactured articles.  | 8         | UN2809 | III | 8    |                                   | None | 164 | None | No limit  | No limit  | B  | 40, 97 |
|   | Mercury cyanide  | 6.1       | UN1636 | II  | 6.1  | IB8, IP2, IP4, N74, N75, T3, TP33 | 153  | 212 | 242  | 25 kg     | 100 kg    | A  | 52     |
|   | Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass. | 1.1A      | UN0135 | II  | 1.1A | 111, 117                          | None | 62  | None | Forbidden | Forbidden | 12 |        |
|   | Mercury gluconate  | 6.1       | UN1637 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury iodide   | 6.1       | UN1638 | II  | 6.1  | IB2, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury iodide aquabasic ammonobasic (iodide of Millon's base).  | Forbidden |        |     |      |                                   |      |     |      |           |           |    |        |
|   | Mercury nitride  | Forbidden |        |     |      |                                   |      |     |      |           |           |    |        |
|   | Mercury nucleate   | 6.1       | UN1639 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury oleate   | 6.1       | UN1640 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury oxide  | 6.1       | UN1641 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury oxycyanide   | Forbidden |        |     |      |                                   |      |     |      |           |           |    |        |
|   | Mercury oxycyanide, desensitized.  | 6.1       | UN1642 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  | 52, 91 |
|   | Mercury potassium iodide   | 6.1       | UN1643 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury salicylate   | 6.1       | UN1644 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
| + | Mercury sulfates   | 6.1       | UN1645 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mercury thiocyanate  | 6.1       | UN1646 | II  | 6.1  | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |        |
|   | Mesityl oxide  | 3         | UN1229 | III | 3    | B1, IB3, T2, TP1                  | 150  | 203 | 242  | 60 L      | 220 L     | A  |        |
| G | Metal carbonyls, liquid, n.o.s.  | 6.1       | UN3281 | I   | 6.1  | 5, T14, TP2, TP13, TP27           | None | 201 | 243  | 1 L       | 30 L      | B  | 40     |
|   |  |           |        | II  | 6.1  | IB2, T11, TP2, TP27               | 153  | 202 | 243  | 5 L       | 60 L      | B  | 40     |
|   |  |           |        | III | 6.1  | IB3, T7, TP1, TP28                | 153  | 203 | 241  | 60 L      | 220 L     | A  | 40     |
| G | Metal carbonyls, solid, n.o.s.   | 6.1       | UN3466 | I   | 6.1  | IB7, IP1, T6, TP33                | None | 211 | 242  | 5 kg      | 50 kg     | D  | 40     |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |      | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          |   |                            |                            | II  | 6.1         | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242  | 25 kg   | 100 kg                | B                | 40    |
|          |   |                            |                            | III | 6.1         | IB8, IP3, T1, TP33               | 153                   | 213       | 240  | 100 kg  | 200 kg                | B                | 40    |
|          | Metal catalyst, dry   | 4.2                        | UN2881                     | I   | 4.2         | N34, T21, TP7, TP33              | None                  | 187       | None | Forbidden                                       | Forbidden             | C                |       |
|          |   |                            |                            | II  | 4.2         | IB6, IP2, N34, T3, TP33          | None                  | 187       | 242  | Forbidden                                       | 50 kg                 | C                |       |
|          |   |                            |                            | III | 4.2         | IB8, IP3, N34, T1, TP33          | None                  | 187       | 241  | 25 kg   | 100 kg                | C                |       |
|          | Metal catalyst, wetted with a visible excess of liquid.     | 4.2                        | UN1378                     | II  | 4.2         | A2, A8, IB1, N34, T3, TP33       | None                  | 212       | None | Forbidden                                       | 50 kg                 | C                |       |
|          | Metal hydrides, flammable, n.o.s..                          | 4.1                        | UN3182                     | II  | 4.1         | A1, IB4, T3, TP33                | 151                   | 212       | 240  | 15 kg   | 50 kg                 | E                |       |
|          |   |                            |                            | III | 4.1         | A1, IB4, T1, TP33                | 151                   | 213       | 240  | 25 kg   | 100 kg                | E                |       |
|          | Metal hydrides, water reactive, n.o.s..                     | 4.3                        | UN1409                     | I   | 4.3         | A19, N34, N40                    | None                  | 211       | 242  | Forbidden                                       | 15 kg                 | D                | 52    |
|          |   |                            |                            | II  | 4.3         | A19, IB4, N34, N40, T3, TP33     | 151                   | 212       | 242  | 15 kg   | 50 kg                 | D                | 52    |
|          | Metal powder, self-heating, n.o.s..                         | 4.2                        | UN3189                     | II  | 4.2         | IB6, IP2, T3, TP33               | None                  | 212       | 241  | 15 kg   | 50 kg                 | C                |       |
|          |   |                            |                            | III | 4.2         | IB8, IP3, T1, TP33               | None                  | 213       | 241  | 25 kg   | 100 kg                | C                |       |
|          | Metal powders, flammable, n.o.s..                           | 4.1                        | UN3089                     | II  | 4.1         | IB8, IP2, IP4, T3, TP33          | 151                   | 212       | 240  | 15 kg   | 50 kg                 | B                |       |
|          |   |                            |                            | III | 4.1         | IB6, T1, TP33                    | 151                   | 213       | 240  | 25 kg   | 100 kg                | B                |       |
|          | Metal salts of methyl nitramine (dry).                      | Forbidden                  |                            |     |             |                                  |                       |           |      |   |                       |                  |       |
| G        | Metal salts of organic compounds, flammable, n.o.s..        | 4.1                        | UN3181                     | II  | 4.1         | A1, IB8, IP2, IP4, T3, TP33      | 151                   | 212       | 240  | 15 kg   | 50 kg                 | B                | 40    |
|          |   |                            |                            | III | 4.1         | A1, IB8, IP3, T1, TP33           | 151                   | 213       | 240  | 25 kg   | 100 kg                | B                | 40    |
|          | Metaldehyde   | 4.1                        | UN1332                     | III | 4.1         | A1, IB8, IP3, T1, TP33           | 151                   | 213       | 240  | 25 kg   | 100 kg                | A                |       |
| G        | Metallic substance, water-reactive, n.o.s..                 | 4.3                        | UN3208                     | I   | 4.3         | A7, IB4                          | None                  | 211       | 242  | Forbidden                                       | 15 kg                 | E                | 40    |
|          |   |                            |                            | II  | 4.3         | A7, IB7, IP2, T3, TP33           | 151                   | 212       | 242  | 15 kg   | 50 kg                 | E                | 40    |
|          |   |                            |                            | III | 4.3         | A7, IB8, IP4, T1, TP33           | 151                   | 213       | 241  | 25 kg   | 100 kg                | E                | 40    |

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|-----|---|-----------|--------|-----|----------|--|------|------|-----------|-----------|-----------|---|------------|
| G   | Metallic substance, water-reactive, self-heating, n.o.s..   | 4.3       | UN3209 | I   | 4.3, 4.2 | A7   | None | 211  | 242       | Forbidden | 15 kg     | E | 40         |
|     |   |           |        | II  | 4.3, 4.2 | A7, IB5, IP2, T3, TP33                                 | None | 212  | 242       | 15 kg     | 50 kg     | E | 40         |
|     |   |           |        | III | 4.3, 4.2 | A7, IB8, IP4, T1, TP33                                 | None | 213  | 242       | 25 kg     | 100 kg    | E | 40         |
|     | Methacrylaldehyde, stabilized   | 3         | UN2396 | II  | 3, 6.1   | 45, IB2, T7, TP1, TP13                                 | 150  | 202  | 243       | 1 L       | 60 L      | E | 40         |
|     | Methacrylic acid, stabilized  | 8         | UN2531 | II  | 8        | IB2, T7, TP1, TP18, TP30                               | 154  | 202  | 242       | 1 L       | 30 L      | C | 40         |
| +   | Methacrylonitrile, stabilized   | 3         | UN3079 | I   | 3, 6.1   | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45       | None | 227  | 244       | Forbidden | Forbidden | D | 12, 40, 48 |
|     | Methallyl alcohol   | 3         | UN2614 | III | 3        | B1, IB3, T2, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A |            |
|     | <i>Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures, etc.</i>   |           |        |     |          |  |      |      |           |           |           |   |            |
|     | Methane, compressed or Natural gas, compressed (with high methane content).   | 2.1       | UN1971 |     | 2.1      |  | 306  | 302  | 302       | Forbidden | 150 kg    | E | 40         |
|     | Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid), with high methane content). | 2.1       | UN1972 |     | 2.1      | T75, TP5   | None | None | 318       | Forbidden | Forbidden | D | 40         |
|     | Methanesulfonyl chloride  | 6.1       | UN3246 | I   | 6.1, 8   | 2, B9, B14, B32, B74, T20, TP2, TP12, TP13, TP38, TP45 | None | 227  | 244       | Forbidden | Forbidden | D | 40         |
| + I | Methanol  | 3         | UN1230 | II  | 3, 6.1   | IB2, T7, TP2   | 150  | 202  | 242       | 1 L       | 60 L      | B | 40         |
| D   | Methanol  | 3         | UN1230 | II  | 3        | IB2, T7, TP2   | 150  | 202  | 242       | 1 L       | 60 L      | B | 40         |
|     | <i>Methazoic acid</i>   | Forbidden |        |     |          |  |      |      |           |           |           |   |            |
|     | 4-Methoxy-4-methylpentan-2-one.   | 3         | UN2293 | III | 3        | B1, IB3, T2, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A |            |
|     | 1-Methoxy-2-propanol  | 3         | UN3092 | III | 3        | B1, IB3, T2, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A |            |
| +   | Methoxymethyl isocyanate  | 3         | UN2605 | I   | 3, 6.1   | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44       | None | 226  | 244       | Forbidden | Forbidden | D | 40         |
|     | Methyl acetate  | 3         | UN1231 | II  | 3        | IB2, T4, TP1   | 150  | 202  | 242       | 5 L       | 60 L      | B |            |
|     | Methyl acetylene and propadiene mixtures, stabilized.   | 2.1       | UN1060 |     | 2.1      | N88, T50   | 306  | 304  | 314, 315. | Forbidden | 150 kg    | B | 40         |
|     | Methyl acrylate, stabilized   | 3         | UN1919 | II  | 3        | IB2, T4, TP1, TP13                                     | 150  | 202  | 242       | 5 L       | 60 L      | B |            |
|     | <i>Methyl alcohol, see Methanol</i>   |           |        |     |          |  |      |      |           |           |           |   |            |
|     | Methyl allyl chloride   | 3         | UN2554 | II  | 3        | IB2, T4, TP1, TP13                                     | 150  | 202  | 242       | 5 L       | 60 L      | E |            |
|     | <i>Methyl amyl ketone, see Amyl methyl ketone.</i>  |           |        |     |          |  |      |      |           |           |           |   |            |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes  | Special provi- sions (§ 172.102)                      | (8)                   |           |           | (9)   |                       | (10)             |             |
|----------|--|----------------------------|----------------------------|----|--------------|---|-----------------------|-----------|-----------|---|-----------------------|------------------|-------------|
|          |  |                            |                            |    |              |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |             |
|          |  |                            |                            |    |              |   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other       |
|          | Methyl bromide .....   | 2.3                        | UN1062                     |    | 2.3 .....    | 3, B14, N86, T50                                      | None ....             | 193 ..... | 314, 315. | Forbidden                                       | Forbidden             | D                | 40          |
|          | <i>Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures.</i> |                            |                            |    |              |   |                       |           |           |   |                       |                  |             |
|          | <i>Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide.</i>                       |                            |                            |    |              |   |                       |           |           |   |                       |                  |             |
|          | Methyl bromide and ethylene dibromide mixtures, liquid.  | 6.1                        | UN1647                     | I  | 6.1 .....    | 2, B9, B14, B32, B74, N65, T20, TP2, TP13, TP38, TP44 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | C                | 40          |
|          | Methyl bromoacetate .....  | 6.1                        | UN2643                     | II | 6.1 .....    | IB2, T7, TP2  | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | D                | 40          |
|          | 2-Methylbutanal .....  | 3                          | UN3371                     | II | 3 .....      | IB2, T4, TP1  | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                |             |
|          | 2-Methyl-1-butene .....  | 3                          | UN2459                     | I  | 3 .....      | T11, TP2  | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | E                |             |
|          | 2-Methyl-2-butene .....  | 3                          | UN2460                     | II | 3 .....      | IB2, IP8, T7, TP1                                     | None ....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | E                |             |
|          | 3-Methyl-1-butene .....  | 3                          | UN2561                     | I  | 3 .....      | T11, TP2  | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | E                |             |
|          | Methyl tert-butyl ether .....  | 3                          | UN2398                     | II | 3 .....      | IB2, T7, TP1  | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | E                |             |
|          | Methyl butyrate .....  | 3                          | UN1237                     | II | 3 .....      | IB2, T4, TP1  | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                |             |
|          | Methyl chloride or Refrigerant gas R 40.   | 2.1                        | UN1063                     |    | 2.1 .....    | N86, T50  | 306 .....             | 304 ..... | 314, 315. | 5 kg  | 100 kg                | D                | 40          |
|          | <i>Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures.</i>                                     |                            |                            |    |              |   |                       |           |           |   |                       |                  |             |
|          | Methyl chloride and methylene chloride mixtures.   | 2.1                        | UN1912                     |    | 2.1 .....    | N86, T50  | 306 .....             | 304 ..... | 314, 315. | Forbidden                                       | 150 kg                | D                | 40          |
|          | Methyl chloroacetate .....   | 6.1                        | UN2295                     | I  | 6.1, 3 ..... | T14, TP2, TP13  | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | D                |             |
|          | <i>Methyl chloroacetate, see Methyl chloroformate.</i>   |                            |                            |    |              |   |                       |           |           |   |                       |                  |             |
|          | <i>Methyl chloroform, see 1,1,1-Tri- chloroethane.</i>   |                            |                            |    |              |   |                       |           |           |   |                       |                  |             |
|          | Methyl chloroformate .....   | 6.1                        | UN1238                     | I  | 6.1, 3, 8.   | 1, B9, B14, B30, B72, N34, T22, TP2, TP13, TP38, TP44 | None ....             | 226 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 21, 40, 100 |
|          | Methyl chloromethyl ether .....  | 6.1                        | UN1239                     | I  | 6.1, 3       | 1, B9, B14, B30, B72, T22, TP2, TP38, TP44            | None ....             | 226 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40          |

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|---|-----------|--------|-------|-----------|--|-------|-------|-----------|-----------|-----------|-------|---------|
| Methyl 2-chloropropionate .....   | 3         | UN2933 | III   | 3         | B1, IB3, T2, TP1                                 | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....   |
| Methyl dichloroacetate .....  | 6.1       | UN2299 | III   | 6.1       | IB3, T4, TP1                                     | 153   | 203   | 241       | 60 L      | 220 L     | A     | .....   |
| <i>Methyl ethyl ether, see Ethyl methyl ether.</i>  | .....     | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| Methyl ethyl ketone, <i>see</i> Ethyl methyl ketone.  | .....     | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| <i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>    | Forbidden | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| 2-Methyl-5-ethylpyridine .....  | 6.1       | UN2300 | III   | 6.1       | IB3, T4, TP1                                     | 153   | 203   | 241       | 60 L      | 220 L     | A     | .....   |
| Methyl fluoride, or Refrigerant gas R 41.   | 2.1       | UN2454 | ..... | 2.1       | .....  | 306   | 304   | 314, 315. | Forbidden | 150 kg    | E     | 40      |
| Methyl formate .....  | 3         | UN1243 | I     | 3         | T11, TP2   | 150   | 201   | 243       | 1 L       | 30 L      | E     | .....   |
| 2-Methyl-2-heptanethiol .....   | 6.1       | UN3023 | I     | 6.1, 3    | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None  | 227   | 244       | Forbidden | Forbidden | D     | 40, 102 |
| Methyl iodide .....   | 6.1       | UN2644 | I     | 6.1       | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None  | 227   | 244       | Forbidden | Forbidden | A     | 12, 40  |
| Methyl isobutyl carbinol .....  | 3         | UN2053 | III   | 3         | B1, IB3, T2, TP1                                 | 150   | 203   | 242       | 60 L      | 220 L     | A     | .....   |
| Methyl isobutyl ketone .....  | 3         | UN1245 | II    | 3         | IB2, T4, TP1                                     | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....   |
| <i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i> | Forbidden | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| Methyl isocyanate .....   | 6.1       | UN2480 | I     | 6.1, 3    | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None  | 226   | 244       | Forbidden | Forbidden | D     | 40, 52  |
| Methyl isopropenyl ketone, stabilized.  | 3         | UN1246 | II    | 3         | IB2, T4, TP1                                     | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....   |
| Methyl isothiocyanate .....   | 6.1       | UN2477 | I     | 6.1, 3    | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None  | 227   | 244       | Forbidden | Forbidden | A     | .....   |
| Methyl isovalerate .....  | 3         | UN2400 | II    | 3         | IB2, T4, TP1                                     | 150   | 202   | 242       | 5 L       | 60 L      | B     | .....   |
| Methyl magnesium bromide, in ethyl ether.   | 4.3       | UN1928 | I     | 4.3, 3    | .....  | None  | 201   | 243       | Forbidden | 1 L       | D     | .....   |
| Methyl mercaptan .....  | 2.3       | UN1064 | ..... | 2.3, 2.1. | 3, B7, B9, B14, N89, T50                         | None  | 304   | 314, 315. | Forbidden | Forbidden | D     | 40      |
| <i>Methyl mercaptopropionaldehyde, see 4-Thiapentanal.</i>  | .....     | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| Methyl methacrylate monomer, stabilized.  | 3         | UN1247 | II    | 3         | IB2, T4, TP1                                     | 150   | 202   | 242       | 5 L       | 60 L      | B     | 40      |
| <i>Methyl nitramine (dry)</i> .....   | Forbidden | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| <i>Methyl nitrate</i> .....   | Forbidden | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |
| <i>Methyl nitrite</i> .....   | Forbidden | .....  | ..... | .....     | .....  | ..... | ..... | .....     | .....     | .....     | ..... | .....   |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                           | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                                 | (8)                   |           |           | (9)   |                       | (10)             |          |
|----------|---|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|-----------|---|-----------------------|------------------|----------|
|          |   |                            |                            |     |             |  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |          |
|          |   |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other    |
|          | <i>Methyl norbornene dicarboxylic anhydride, see Corrosive liq- uids, n.o.s.</i>      |                            |                            |     |             |  |                       |           |           |   |                       |                  |          |
|          | Methyl orthosilicate  | 6.1                        | UN2606                     | I   | 6.1, 3      | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45                 | None                  | 227       | 244       | Forbidden                                       | Forbidden             | E                | 40       |
| D        | Methyl phosphonic dichloride  | 6.1                        | NA9206                     | I   | 6.1, 8      | 2, B9, B14, B32, B74, N34, N43, T20, TP4, TP12, TP13, TP38, TP45 | None                  | 227       | 244       | Forbidden                                       | Forbidden             | C                |          |
|          | <i>Methyl phosphonothioic dichlo- ride, anhydrous, see Corro- sive liquid, n.o.s.</i> |                            |                            |     |             |  |                       |           |           |   |                       |                  |          |
| D        | Methyl phosphonous dichloride, pyrophoric liquid.                                     | 6.1                        | NA2845                     | I   | 6.1, 4.2    | 2, B9, B14, B16, B32, B74, T20, TP4, TP12, TP13, TP38, TP45      | None                  | 227       | 244       | Forbidden                                       | Forbidden             | D                | 18       |
|          | <i>Methyl picric acid (heavy metal salts of).</i>                                     | Forbidden                  |                            |     |             |  |                       |           |           |   |                       |                  |          |
|          | Methyl propionate   | 3                          | UN1248                     | II  | 3           | IB2, T4, TP1   | 150                   | 202       | 242       | 5 L   | 60 L                  | E                |          |
|          | Methyl propyl ether   | 3                          | UN2612                     | II  | 3           | IB2, IP8, T7, TP2  | 150                   | 202       | 242       | 5 L   | 60 L                  | E                | 40       |
|          | Methyl propyl ketone  | 3                          | UN1249                     | II  | 3           | IB2, T4, TP1   | 150                   | 202       | 242       | 5 L   | 60 L                  | E                |          |
|          | <i>Methyl sulfate, see Dimethyl sul- fate.</i>  |                            |                            |     |             |  |                       |           |           |   |                       |                  |          |
|          | <i>Methyl sulfide, see Dimethyl sul- fide.</i>  |                            |                            |     |             |  |                       |           |           |   |                       |                  |          |
|          | Methyl trichloroacetate   | 6.1                        | UN2533                     | III | 6.1         | IB3, T4, TP1   | 153                   | 203       | 241       | 60 L  | 220 L                 | A                |          |
|          | <i>Methyl trimethylol methane trinitrate.</i>   | Forbidden                  |                            |     |             |  |                       |           |           |   |                       |                  |          |
|          | Methyl vinyl ketone, stabilized   | 6.1                        | UN1251                     | I   | 6.1, 3, 8   | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44                 | None                  | 226       | 244       | Forbidden                                       | Forbidden             | B                | 40       |
|          | Methylal  | 3                          | UN1234                     | II  | 3           | IB2, IP8, T7, TP2  | None                  | 202       | 242       | 5 L   | 60 L                  | E                |          |
|          | Methylamine, anhydrous  | 2.1                        | UN1061                     |     | 2.1         | N87, T50   | 306                   | 304       | 314, 315. | Forbidden                                       | 150 kg                | B                | 40       |
|          | Methylamine, aqueous solution   | 3                          | UN1235                     | II  | 3, 8        | B1, IB2, T7, TP1   | 150                   | 202       | 243       | 1 L   | 5 L                   | E                | 52, 135. |

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|---|-----------|--------|-----|--------------|--|------|-----|-----------|-----------|-----------|---|--|------------------------|
| Methylamine dinitramine and dry salts thereof | Forbidden |        |     |              |  |      |     |           |           |           |   |  |                        |
| Methylamine nitroform                         | Forbidden |        |     |              |  |      |     |           |           |           |   |  |                        |
| Methylamine perchlorate (dry)                 | Forbidden |        |     |              |  |      |     |           |           |           |   |  |                        |
| Methylamyl acetate                            | 3         | UN1233 | III | 3            | B1, IB3, T2, TP1   | 150  | 203 | 242       | 60 L      | 220 L     | A |  |                        |
| N-Methylaniline                               | 6.1       | UN2294 | III | 6.1          | IB3, T4, TP1   | 153  | 203 | 241       | 60 L      | 220 L     | A |  |                        |
| alpha-Methylbenzyl alcohol, liquid            | 6.1       | UN2937 | III | 6.1          | IB3, T4, TP1   | 153  | 203 | 241       | 60 L      | 220 L     | A |  |                        |
| alpha-Methylbenzyl alcohol, solid             | 6.1       | UN3438 | III | 6.1          | IB8, IP3, T1, TP33   | 153  | 213 | 240       | 100 kg    | 200 kg    | A |  |                        |
| 3-Methylbutan-2-one                           | 3         | UN2397 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |  |                        |
| N-Methylbutylamine                            | 3         | UN2945 | II  | 3, 8         | IB2, T7, TP1   | 150  | 202 | 243       | 1 L       | 5 L       | B |  | 40                     |
| Methylchlorosilane                            | 2.3       | UN2534 |     | 2.3, 2.1, 8. | 2, B9, B14, N34  | None | 226 | 314, 315. | Forbidden | Forbidden | D |  | 17, 40                 |
| Methylcyclohexane                             | 3         | UN2296 | II  | 3            | B1, IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |  |                        |
| Methylcyclohexanols, flammable                | 3         | UN2617 | III | 3            | B1, IB3, T2, TP1   | 150  | 203 | 242       | 60 L      | 220 L     | A |  |                        |
| Methylcyclohexanone                           | 3         | UN2297 | III | 3            | B1, IB3, T2, TP1   | 150  | 203 | 242       | 60 L      | 220 L     | A |  |                        |
| Methylcyclopentane                            | 3         | UN2298 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |  |                        |
| D Methylchloroarsine                          | 6.1       | NA1556 | I   | 6.1          | 2, T20, TP4, TP12, TP13, TP38, TP45                            | None | 192 | None      | Forbidden | Forbidden | D |  | 40                     |
| Methyldichlorosilane                          | 4.3       | UN1242 | I   | 4.3, 8, 3.   | A2, A3, A7, B6, B77, N34, T10, TP2, TP7, TP13                  | None | 201 | 243       | Forbidden | 1 L       | D |  | 21, 28, 40, 49, 100    |
| Methylene chloride, see Dichloromethane.      |           |        |     |              |  |      |     |           |           |           |   |  |                        |
| Methylene glycol dinitrate                    | Forbidden |        |     |              |  |      |     |           |           |           |   |  |                        |
| 2-Methylfuran                                 | 3         | UN2301 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | E |  |                        |
| a-Methylglucoside tetranitrate                | Forbidden |        |     |              |  |      |     |           |           |           |   |  |                        |
| a-Methylglycerol trinitrate                   | Forbidden |        |     |              |  |      |     |           |           |           |   |  |                        |
| 5-Methylhexan-2-one                           | 3         | UN2302 | III | 3            | B1, IB3, T2, TP1   | 150  | 203 | 242       | 60 L      | 220 L     | A |  |                        |
| Methylhydrazine                               | 6.1       | UN1244 | I   | 6.1, 3, 8.   | 1, B7, B9, B14, B30, B72, B77, N34, T22, TP2, TP13, TP38, TP44 | None | 226 | 244       | Forbidden | Forbidden | D |  | 21, 40, 49, 52 and 100 |
| 4-Methylmorpholine or n-methylmorpholine.     | 3         | UN2535 | II  | 3, 8         | B6, IB2, T7, TP1   | 150  | 202 | 243       | 1 L       | 5 L       | B |  | 40                     |
| Methylpentadienes                             | 3         | UN2461 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | E |  |                        |
| 2-Methylpentan-2-ol                           | 3         | UN2560 | III | 3            | B1, IB3, T2, TP1   | 150  | 203 | 242       | 60 L      | 220 L     | A |  |                        |
| Methylpentanes, see Hexanes                   |           |        |     |              |  |      |     |           |           |           |   |  |                        |
| Methylphenyldichlorosilane                    | 8         | UN2437 | II  | 8            | IB2, T7, TP2, TP13   | None | 202 | 242       | 1 L       | 30 L      | C |  | 40.                    |
| 1-Methylpiperidine                            | 3         | UN2399 | II  | 3, 8         | IB2, T7, TP1   | 150  | 202 | 243       | 1 L       | 5 L       | B |  | 52.                    |
| Methyltetrahydrofuran                         | 3         | UN2536 | II  | 3            | IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |  |                        |
| Methyltrichlorosilane                         | 3         | UN1250 | I   | 3, 8         | A7, B6, B77, N34, T11, TP2, TP13                               | None | 201 | 243       | Forbidden | 2.5 L     | B |  | 40                     |
| alpha-Methylvaleraldehyde                     | 3         | UN2367 | II  | 3            | B1, IB2, T4, TP1   | 150  | 202 | 242       | 5 L       | 60 L      | B |  |                        |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names                      | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |         |
|----------|--|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|---------|
|          |  |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |         |
|          |  |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other   |
|          | <i>Mine rescue equipment con- taining carbon dioxide, see Carbon dioxide.</i>    |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | Mines with bursting charge .....   | 1.1F                       | UN0136                     | II  | 1.1F ...    |                                  | 62                    | None      | Forbidden | Forbidden                                       | 08                    |                  |         |
|          | Mines with bursting charge .....   | 1.1D                       | UN0137                     | II  | 1.1D ..     |                                  | 62                    | None      | Forbidden | Forbidden                                       | 03                    |                  |         |
|          | Mines with bursting charge .....   | 1.2D                       | UN0138                     | II  | 1.2D ..     |                                  | 62                    | None      | Forbidden | Forbidden                                       | 03                    |                  |         |
|          | Mines with bursting charge .....   | 1.2F                       | UN0294                     | II  | 1.2F ...    |                                  | 62                    | None      | Forbidden | Forbidden                                       | 08                    |                  |         |
|          | <i>Mixed acid, see Nitrating acid, mixtures etc.</i>                             |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | <i>Mobility aids, see Battery powered equipment or Battery powered vehicle'.</i> |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
| D        | Model rocket motor .....   | 1.4C                       | NA0276                     | II  | 1.4C ..     | 51                               | None                  | 62        | None      | Forbidden                                       | 75 kg                 | 06               |         |
| D        | Model rocket motor .....   | 1.4S                       | NA0323                     | II  | 1.4S ...    | 51                               | None                  | 62        | None      | 25 kg   | 100 kg                | 05               |         |
|          | Molybdenum pentachloride .....   | 8                          | UN2508                     | III | 8 .....     | IB8, IP3, T1, TP33               | 154                   | 213       | 240       | 25 kg   | 100 kg                | C                | 40      |
|          | <i>Monochloroacetone (unstabilized).</i>   | Forbidden                  |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | <i>Monochloroethylene, see Vinyl chloride, stabilized.</i>                       |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | <i>Monoethanolamine, see Ethanolamine, solutions.</i>                            |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | <i>Monoethylamine, see Ethyl- amine.</i>   |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | Morpholine .....   | 8                          | UN2054                     | I   | 8, 3 ...    | A6, T10, TP2                     | None                  | 201       | 243       | 0.5 L   | 2.5 L                 | A                |         |
|          | <i>Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s..</i>              |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | Motor fuel anti-knock com- pounds see Motor fuel anti- knock mixtures.           |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
| +        | Motor fuel anti-knock mixtures ...   | 6.1                        | UN1649                     | I   | 6.1 .....   | 14, 151, B9, B90, T14, TP2, TP13 | None                  | 201       | 244       | Forbidden                                       | 30 L                  | D                | 25, 40. |
|          | Motor spirit, see Gasoline .....   |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | <i>Muriatic acid, see Hydrochloric acid.</i>                                     |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | Musk xylene, see 5-tert-Butyl- 2,4,6-trinitro-m-xylene.                          |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | <i>Naphtha see Petroleum dis- tillates n.o.s..</i>                               |                            |                            |     |             |                                  |                       |           |           |   |                       |                  |         |

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|---|-----------|--------|-----|--------|-----------------------------------|------|-----|------|-----------|-----------|---|--------|
| Naphthalene, crude or Naphthalene, refined.   | 4.1       | UN1334 | III | 4.1    | A1, IB8, IP3, T1, TP33            | 151  | 213 | 240  | 25 kg     | 100 kg    | A |        |
| <i>Naphthalene diozonide</i>  | Forbidden |        |     |        |                                   |      |     |      |           |           |   |        |
| beta-Naphthylamine, solid   | 6.1       | UN1650 | II  | 6.1    | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A |        |
| beta-Naphthylamine solution   | 6.1       | UN3411 | II  | 6.1    | IB2, T7, TP2                      | 153  | 202 | 243  | 5 L       | 60 L      | A |        |
|   |           |        | III | 6.1    | IB2, T7, TP2                      | 153  | 203 | 241  | 60 L      | 220 L     | A |        |
| alpha-Naphthylamine   | 6.1       | UN2077 | III | 6.1    | IB8, IP3, T1, TP33                | 153  | 213 | 240  | 100 kg    | 200 kg    | A |        |
| Naphthalene, molten   | 4.1       | UN2304 | III | 4.1    | IB1, T1, TP3                      | 151  | 213 | 241  | Forbidden | Forbidden | C |        |
| <i>Naphthylamineperchlorate</i>   | Forbidden |        |     |        |                                   |      |     |      |           |           |   |        |
| Naphthylthiourea  | 6.1       | UN1651 | II  | 6.1    | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A |        |
| Naphthylurea  | 6.1       | UN1652 | II  | 6.1    | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A |        |
| <i>Natural gases (with high methane content), see Methane, etc. (UN 1971, UN 1972).</i> |           |        |     |        |                                   |      |     |      |           |           |   |        |
| <i>Neohexane, see Hexanes</i>   |           |        |     |        |                                   |      |     |      |           |           |   |        |
| Neon, compressed  | 2.2       | UN1065 |     | 2.2    |                                   | 306  | 302 | 302  | 75 kg     | 150 kg    | A |        |
| Neon, refrigerated liquid ( <i>cryogenic liquid</i> ).                                  | 2.2       | UN1913 |     | 2.2    | T75, TP5                          | 320  | 316 | None | 50 kg     | 500 kg    | B |        |
| <i>New explosive or explosive device, see §§ 173.51 and 173.56.</i>                     |           |        |     |        |                                   |      |     |      |           |           |   |        |
| Nickel carbonyl   | 6.1       | UN1259 | I   | 6.1, 3 | 1                                 | None | 198 | None | Forbidden | Forbidden | D | 18, 40 |
| Nickel cyanide  | 6.1       | UN1653 | II  | 6.1    | IB8, IP2, IP4, N74, N75, T3, TP33 | 153  | 212 | 242  | 25 kg     | 100 kg    | A | 52     |
| Nickel nitrate  | 5.1       | UN2725 | III | 5.1    | A1, IB8, IP3, T1, TP33            | 152  | 213 | 240  | 25 kg     | 100 kg    | A |        |
| Nickel nitrite  | 5.1       | UN2726 | III | 5.1    | A1, IB8, IP3, T1, TP33            | 152  | 213 | 240  | 25 kg     | 100 kg    | A | 56, 58 |
| <i>Nickel picrate</i>   | Forbidden |        |     |        |                                   |      |     |      |           |           |   |        |
| Nicotine  | 6.1       | UN1654 | II  | 6.1    | IB2                               | 153  | 202 | 243  | 5 L       | 60 L      | A |        |
| Nicotine compounds, liquid, n.o.s. or Nicotine preparations, liquid, n.o.s..            | 6.1       | UN3144 | I   | 6.1    | A4                                | None | 201 | 243  | 1 L       | 30 L      | B | 40     |
|   |           |        | II  | 6.1    | IB2, T11, TP2, TP27               | 153  | 202 | 243  | 5 L       | 60 L      | B | 40     |
|   |           |        | III | 6.1    | IB3, T7, TP1, TP28                | 153  | 203 | 241  | 60 L      | 220 L     | B | 40     |
| Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s..              | 6.1       | UN1655 | I   | 6.1    | IB7, IP1, T6, TP33                | None | 211 | 242  | 5 kg      | 50 kg     | B |        |
|   |           |        | II  | 6.1    | IB8, IP2, IP4, T3, TP33           | 153  | 212 | 242  | 25 kg     | 100 kg    | A |        |
|   |           |        | III | 6.1    | IB8, IP3, T1, TP33                | 153  | 213 | 240  | 100 kg    | 200 kg    | A |        |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names               | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)   | (8)                   |           |      | (9)   |                       | (10)             |                          |
|----------|---|----------------------------|----------------------------|-----|-------------|------------------------------------|-----------------------|-----------|------|---|-----------------------|------------------|--------------------------|
|          |   |                            |                            |     |             |                                    | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                          |
|          |   |                            |                            |     |             |                                    | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                    |
|          | Nicotine hydrochloride liquid or solution.                                | 6.1                        | UN1656                     | II  | 6.1         | IB2                                | 153                   | 202       | 243  | 5 L   | 60 L                  | A                | .....                    |
|          | Nicotine hydrochloride, solid   | 6.1                        | UN3444                     | III | 6.1         | IB3                                | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | .....                    |
|          | Nicotine salicylate   | 6.1                        | UN1657                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33            | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                | .....                    |
|          | Nicotine sulfate solution   | 6.1                        | UN1658                     | II  | 6.1         | IB2, T7, TP2                       | 153                   | 202       | 243  | 5 L   | 60 L                  | A                | .....                    |
|          | Nicotine sulphate, solid  | 6.1                        | UN3445                     | III | 6.1         | IB3, T7, TP2                       | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | .....                    |
|          | Nicotine tartrate   | 6.1                        | UN1659                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33            | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                | .....                    |
|          | <i>Nitrated paper (unstable)</i>  | Forbidden                  |                            |     |             |                                    |                       |           |      |   |                       |                  |                          |
|          | Nitrates, inorganic, aqueous solution, n.o.s..                            | 5.1                        | UN3218                     | II  | 5.1         | 58, IB2, T4, TP1                   | 152                   | 202       | 242  | 1 L   | 5 L                   | B                | 56, 58, 133              |
|          |   |                            |                            | III | 5.1         | 58, IB2, T4, TP1                   | 152                   | 203       | 241  | 2.5 L   | 30 L                  | B                | 56, 58, 133              |
|          | Nitrates, inorganic, n.o.s.   | 5.1                        | UN1477                     | II  | 5.1         | IB8, IP2, IP4, T3, TP33            | 152                   | 212       | 240  | 5 kg  | 25 kg                 | A                | 56, 58                   |
|          |   |                            |                            | III | 5.1         | IB8, IP3, T1, TP33                 | 152                   | 213       | 240  | 25 kg   | 100 kg                | A                | 56, 58                   |
|          | <i>Nitrates of diazonium compounds.</i>                                   | Forbidden                  |                            |     |             |                                    |                       |           |      |   |                       |                  |                          |
|          | Nitrating acid mixtures, spent with more than 50 percent nitric acid.     | 8                          | UN1826                     | I   | 8, 5.1      | A7, T10, TP2, TP12, TP13           | None                  | 158       | 243  | Forbidden                                       | 2.5 L                 | D                | 40, 66                   |
|          | Nitrating acid mixtures spent with not more than 50 percent nitric acid.  | 8                          | UN1826                     | II  | 8           | A7, B2, IB2, T8, TP2, TP12         | None                  | 158       | 242  | Forbidden                                       | 30 L                  | D                | 40                       |
|          | Nitrating acid mixtures with more than 50 percent nitric acid.            | 8                          | UN1796                     | I   | 8, 5.1      | A7, T10, TP2, TP12, TP13           | None                  | 158       | 243  | Forbidden                                       | 2.5 L                 | D                | 40, 66                   |
|          | Nitrating acid mixtures with not more than 50 percent nitric acid.        | 8                          | UN1796                     | II  | 8           | A7, B2, IB2, T8, TP2, TP12, TP13   | None                  | 158       | 242  | Forbidden                                       | 30 L                  | D                | 40                       |
|          | Nitric acid other than red fuming, with more than 70 percent nitric acid. | 8                          | UN2031                     | I   | 8, 5.1      | A3, B47, B53, T10, TP2, TP12, TP13 | None                  | 158       | 243  | Forbidden                                       | 2.5 L                 | D                | 44, 66, 89, 90, 110, 111 |

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|---|-----------|--------|-------|--------------|-------|---|------|-------|-----|-------|------|-------|-----------|-----------|---|--------------------------|
| Nitric acid other than red fuming with not more than 20 percent nitric acid.                  | 8         | UN2031 | II    | 8            | ..... | A6, B2, B47, B53, IB2, T8, TP2, TP12              | None | ....  | 158 | ..... | 242  | ..... | 1 L       | 30 L      | D |                          |
| Nitric acid other than red fuming, with not more than 70 percent nitric acid.                 | 8         | UN2031 | II    | 8            | ..... | A6, B2, B47, B53, IB2, T8, TP2, TP12              | None | ....  | 158 | ..... | 242  | ..... | Forbidden | 30 L      | D | 44, 66, 89, 90, 110, 111 |
| + Nitric acid, red fuming .....   | 8         | UN2032 | I     | 8, 5.1, 6.1. |       | 2, B9, B32, B74, T20, TP2, TP12, TP13, TP38, TP45 | None | ....  | 227 | ..... | 244  | ..... | Forbidden | Forbidden | D | 40, 66, 74, 89, 90       |
| Nitric oxide, compressed .....  | 2.3       | UN1660 | ..... | 2.3, 5.1, 8. |       | 1, B37, B46, B50, B60, B77                        | None | ....  | 337 | ..... | None | ....  | Forbidden | Forbidden | D | 40, 89, 90               |
| Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures. | 2.3       | UN1975 | ..... | 2.3, 5.1, 8. |       | 1, B7, B9, B14, B45, B46, B61, B66, B67, B77      | None | ....  | 337 | ..... | None | ....  | Forbidden | Forbidden | D | 40, 89, 90               |
| G Nitriles, flammable, toxic, n.o.s. ....   | 3         | UN3273 | I     | 3, 6.1       |       | T14, TP2, TP13, TP27                              | None | ....  | 201 | ..... | 243  | ..... | Forbidden | 30 L      | E | 40, 52                   |
| .....   | .....     | .....  | II    | 3, 6.1       |       | IB2, T11, TP2, TP13, TP27                         | 150  | ..... | 202 | ..... | 243  | ..... | 1 L       | 60 L      | B | 40, 52                   |
| G Nitriles, toxic, flammable, n.o.s. ....   | 6.1       | UN3275 | I     | 6.1, 3       |       | 5, T14, TP2, TP13, TP27                           | None | ....  | 201 | ..... | 243  | ..... | 1 L       | 30 L      | B | 40, 52                   |
| .....   | .....     | .....  | II    | 6.1, 3       |       | IB2, T11, TP2, TP13, TP27                         | 153  | ..... | 202 | ..... | 243  | ..... | 5 L       | 60 L      | B | 40, 52                   |
| G Nitriles, toxic, liquid, n.o.s. ....  | 6.1       | UN3276 | I     | 6.1          | ..... | 5, T14, TP2, TP13, TP27                           | None | ....  | 201 | ..... | 243  | ..... | 1 L       | 30 L      | B | 52                       |
| .....   | .....     | .....  | II    | 6.1          | ..... | IB2, T11, TP2, TP27                               | 153  | ..... | 202 | ..... | 243  | ..... | 5 L       | 60 L      | B | 52                       |
| .....   | .....     | .....  | III   | 6.1          | ..... | IB3, T7, TP1, TP28                                | 153  | ..... | 203 | ..... | 241  | ..... | 60 L      | 220 L     | A | 52                       |
| G Nitriles, toxic, solid, n.o.s. ....   | 6.1       | UN3439 | I     | 6.1          | ..... | IB7, IP1, T6, TP33                                | None | ....  | 211 | ..... | 242  | ..... | 5 kg      | 50 kg     | D | 52                       |
| .....   | .....     | .....  | II    | 6.1          | ..... | IB8, IP2, IP4, T3, TP33                           | 153  | ..... | 212 | ..... | 242  | ..... | 25 kg     | 100 kg    | B | 52                       |
| .....   | .....     | .....  | III   | 6.1          | ..... | IB8, IP3, T1, TP33                                | 153  | ..... | 213 | ..... | 240  | ..... | 100 kg    | 200 kg    | A | 52                       |
| Nitrites, inorganic, aqueous solution, n.o.s..  | 5.1       | UN3219 | II    | 5.1          | ..... | IB1, T4, TP1                                      | 152  | ..... | 202 | ..... | 242  | ..... | 1 L       | 5 L       | B | 46, 56, 58, 133          |
| .....   | .....     | .....  | III   | 5.1          | ..... | IB2, T4, TP1                                      | 152  | ..... | 203 | ..... | 241  | ..... | 2.5 L     | 30 L      | B | 46, 56, 58, 133          |
| Nitrites, inorganic, n.o.s. ....  | 5.1       | UN2627 | II    | 5.1          | ..... | 33, IB8, IP4, T3, TP33                            | 152  | ..... | 212 | ..... | None | ....  | 5 kg      | 25 kg     | A | 46, 56, 58, 133          |
| 3-Nitro-4-chlorobenzotrifluoride ..   | 6.1       | UN2307 | II    | 6.1          | ..... | IB2, T7, TP2                                      | 153  | ..... | 202 | ..... | 243  | ..... | 5 L       | 60 L      | A | 40                       |
| 6-Nitro-4-diazotoluene-3-sulfonic acid (dry).   | Forbidden |        |       |              |       |   |      |       |     |       |      |       |           |           |   |                          |
| Nitro isobutane triol trinitrate .....  | Forbidden |        |       |              |       |   |      |       |     |       |      |       |           |           |   |                          |
| N-Nitro-N-methylglycolamide nitrate.  | Forbidden |        |       |              |       |   |      |       |     |       |      |       |           |           |   |                          |
| 2-Nitro-2-methylpropanol nitrate  | Forbidden |        |       |              |       |   |      |       |     |       |      |       |           |           |   |                          |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          | Nitro urea .....  | 1.1D                       | UN0147                     | II  | 1.1D ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | ..... |
|          | <i>N-Nitroaniline</i> .....   | Forbidden                  |                            |     |             |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | ..... |
| +        | Nitroanilines ( <i>o-</i> ; <i>m-</i> ; <i>p-</i> ) .....   | 6.1                        | UN1661                     | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33          | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                | ..... |
|          | Nitroanisole, liquid .....  | 6.1                        | UN2730                     | III | 6.1 .....   | IB3, T4, TP1                     | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | ..... |
|          | Nitroanisoles, solid .....  | 6.1                        | UN3458                     | III | 6.1 .....   | IB8, IP3, T1, TP33               | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                | ..... |
| +        | Nitrobenzene .....  | 6.1                        | UN1662                     | II  | 6.1 .....   | IB2, T7, TP2                     | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | A                | 40    |
|          | <i>m-Nitrobenzene diazonium per- chlorate</i> .....   | Forbidden                  |                            |     |             |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | ..... |
|          | Nitrobenzenesulfonic acid .....   | 8                          | UN2305                     | II  | 8 .....     | B2, B4, IB8, IP2, IP4, T3, TP33  | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | A                | ..... |
|          | <i>Nitrobenzol</i> , see Nitrobenzene ..  | .....                      |                            |     |             |                                  | .....                 | .....     | .....     | .....   | .....                 |                  | ..... |
|          | 5-Nitrobenzotriazol .....   | 1.1D                       | UN0385                     | II  | 1.1D ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | ..... |
|          | Nitrobenzotrifluorides, liquid .....  | 6.1                        | UN2306                     | II  | 6.1 .....   | IB2, T7, TP2                     | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | A                | 40    |
|          | Nitrobenzotrifluorides, solid .....   | 6.1                        | UN3431                     | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33          | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                | 40    |
|          | Nitrobromobenzenes, liquid .....  | 6.1                        | UN2732                     | III | 6.1 .....   | IB3, T4, TP1                     | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | ..... |
|          | Nitrobromobenzenes, solid .....   | 6.1                        | UN3459                     | III | 6.1 .....   | IB8, IP3, T1, TP33               | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                | ..... |
|          | Nitrocellulose, <i>dry or wetted with less than 25 percent water (or alcohol), by mass</i> .....  | 1.1D                       | UN0340                     | II  | 1.1D ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 13               | 27E   |
|          | Nitrocellulose, <i>with not more than 12.6 percent, by dry mass mixture with or without plasticizer, with or without pigment</i> .....            | 4.1                        | UN2557                     | II  | 4.1 .....   | 44                               | 151 .....             | 212 ..... | None .... | 1 kg  | 15 kg                 | D                | 28    |
|          | Nitrocellulose membrane filters, <i>with not more than 12.6% ni- trogen, by dry mass</i> .....  | 4.1                        | UN3270                     | II  | 4.1 .....   | 43, A1                           | 151 .....             | 212 ..... | 240 ..... | 1 kg  | 15 kg                 | D                | ..... |
|          | Nitrocellulose, <i>plasticized with not less than 18 percent plas- ticizing substance, by mass</i> .....  | 1.3C                       | UN0343                     | II  | 1.3C ..     |                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | ..... |
|          | Nitrocellulose, <i>solution, flam- mable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose</i> ..... | 3                          | UN2059                     | I   | 3 .....     | T11, TP1, TP8, TP27              | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | E                | ..... |
|          | .....   | .....                      |                            | II  | 3 .....     | IB2, T4, TP1, TP8                | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | ..... |

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|--|-----------|--------|-----------|--------------------|--------------------|--------------|-----------|--------------|-------------------|--------------------|---------|---------------|
| Nitrocellulose, <i>unmodified or plasticized with less than 18 percent plasticizing substance, by mass.</i>                                  | 1.1D      | UN0341 | III<br>II | 3<br>1.1D ..       | B1, IB3, T2, TP1   | 150<br>None  | 203<br>62 | 242<br>None  | 60 L<br>Forbidden | 220 L<br>Forbidden | A<br>13 | 27E           |
| Nitrocellulose, <i>wetted with not less than 25 percent alcohol, by mass.</i>  | 1.3C      | UN0342 | II        | 1.3C ..            |                    | None         | 62        | None         | Forbidden         | Forbidden          | 10      |               |
| Nitrocellulose with alcohol <i>with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass.</i> | 4.1       | UN2556 | II        | 4.1 .....          |                    | 151          | 212       | None         | 1 kg              | 15 kg              | D       | 28            |
| Nitrocellulose with water <i>with not less than 25 percent water, by mass.</i>   | 4.1       | UN2555 | II        | 4.1 .....          |                    | 151          | 212       | None         | 15 kg             | 50 kg              | E       | 28            |
| Nitrochlorobenzene, <i>see Chloronitrobenzenes etc.</i>  |           |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrocresols, liquid   | 6.1       | UN3434 | III       | 6.1 .....          | IB3, T4, TP1       | 153          | 203       | 241          | 60 L              | 220 L              | A       |               |
| Nitrocresols, solid  | 6.1       | UN2446 | III       | 6.1 .....          | IB8, IP3, T1, TP33 | 153          | 213       | 240          | 100 kg            | 200 kg             | A       |               |
| Nitroethane  | 3         | UN2842 | III       | 3 .....            | B1, IB3, T2, TP1   | 150          | 203       | 242          | 60 L              | 220 L              | A       |               |
| Nitroethyl nitrate   | Forbidden |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitroethylene polymer  | Forbidden |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen, compressed   | 2.2       | UN1066 |           | 2.2 .....          |                    | 306,<br>307. | 302       | 314,<br>315. | 75 kg             | 150 kg             | A       |               |
| Nitrogen dioxide, <i>see Dinitrogen tetroxide.</i>   |           |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen fertilizer solution, <i>see Fertilizer ammoniating solution etc.</i>  |           |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen peroxide, <i>see Dinitrogen tetroxide.</i>  |           |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen, refrigerated liquid <i>cryogenic liquid.</i>   | 2.2       | UN1977 |           | 2.2 .....          | T75, TP5           | 320          | 316       | 318          | 50 kg             | 500 kg             | D       |               |
| Nitrogen tetroxide and nitric oxide mixtures, <i>see Nitric oxide and nitrogen tetroxide mixtures.</i>                                       |           |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen tetroxide, <i>see Dinitrogen tetroxide.</i>   |           |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen trichloride   | Forbidden |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen trifluoride   | 2.2       | UN2451 |           | 2.2,<br>5.1.       |                    | None         | 302       | None         | 75 kg             | 150 kg             | D       | 40            |
| Nitrogen triiodide   | Forbidden |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen triiodide monoamine   | Forbidden |        |           |                    |                    |              |           |              |                   |                    |         |               |
| Nitrogen trioxide  | 2.3       | UN2421 |           | 2.3,<br>5.1,<br>8. | 1                  | None         | 336       | 245          | Forbidden         | Forbidden          | D       | 40, 89,<br>90 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provi- sions (§ 172.102)   | (8)                   |           |           | (9)   |                       | (10)             |                    |
|----------|--|----------------------------|----------------------------|----|-------------|------------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|--------------------|
|          |  |                            |                            |    |             |                                    | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                    |
|          |  |                            |                            |    |             |                                    | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other              |
|          | Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass.                    | 1.1D                       | UN0143                     | II | 1.1D, 6.1.  | 125                                | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 13               | 21E                |
|          | Nitroglycerin, liquid, not desensitized.   | Forbidden                  |                            |    |             |                                    |                       |           |           |   |                       |                  |                    |
|          | Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass.             | 3                          | UN3343                     |    | 3 .....     | 129                                | None ....             | 214 ..... | None .... | Forbidden                                       | Forbidden             | D                |                    |
|          | Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30% nitroglycerin, by mass.                               | 3                          | UN3357                     | II | 3 .....     | 142                                | None ....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | E                |                    |
|          | Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass. | 4.1                        | UN3319                     | II | 4.1 .....   | 118                                | None ....             | None .... | None .... | Forbidden                                       | 0.5 kg                | E                |                    |
|          | Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin.                          | 3                          | UN3064                     | II | 3 .....     | N8                                 | None ....             | 202 ..... | None .... | Forbidden                                       | 5 L                   | E                |                    |
|          | Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin.                         | 1.1D                       | UN0144                     | II | 1.1D ..     |                                    | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | 21E                |
|          | Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin.  | 3                          | UN1204                     | II | 3 .....     | IB2, N34                           | 150 .....             | 202 ..... | None .... | 5 L   | 60 L                  | B                |                    |
|          | Nitroguanidine nitrate .....   | Forbidden                  |                            |    |             |                                    |                       |           |           |   |                       |                  |                    |
|          | Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass.   | 1.1D                       | UN0282                     | II | 1.1D ..     |                                    | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               |                    |
|          | Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass.  | 4.1                        | UN1336                     | I  | 4.1 .....   | 23, A8, A19, A20, N41              | None ....             | 211 ..... | None .... | 1 kg  | 15 kg                 | E                | 28                 |
|          | 1-Nitrohydantoin .....   | Forbidden                  |                            |    |             |                                    |                       |           |           |   |                       |                  |                    |
|          | Nitrohydrochloric acid .....   | 8                          | UN1798                     | I  | 8 .....     | A3, B10, N41, T10, TP2, TP12, TP13 | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 2.5 L                 | D                | 40, 66, 74, 89, 90 |

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|---|-----------|--------|-----|-----------|---|--|------|-----|-----------|-----------|-----------|----|--|--|--|--|--|--|--------------------|
| Nitromannite (dry) .....  | Forbidden |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nitromannite, wetted, see Mannitol hexanitrate, etc.                                      |           |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nitromethane .....  | 3         | UN1261 | II  | 3         |   |  | 150  | 202 | None      | Forbidden | 60 L      | A  |  |  |  |  |  |  |                    |
| Nitromuriatic acid, see Nitrohydrochloric acid.   |           |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nitronaphthalene .....  | 4.1       | UN2538 | III | 4.1       | A1, IB8, IP3, T1, TP33                  |  | 151  | 213 | 240       | 25 kg     | 100 kg    | A  |  |  |  |  |  |  |                    |
| + Nitrophenols (o-; m-; p-) .....   | 6.1       | UN1663 | III | 6.1       | IB8, IP3, T1, TP33                      |  | 153  | 213 | 240       | 100 kg    | 200 kg    | A  |  |  |  |  |  |  |                    |
| m-Nitrophenyldinitro methane ....   | Forbidden |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nitropropanes .....   | 3         | UN2608 | III | 3         | B1, IB3, T2, TP1                        |  | 150  | 203 | 242       | 60 L      | 220 L     | A  |  |  |  |  |  |  |                    |
| p-Nitrosodimethylaniline .....  | 4.2       | UN1369 | II  | 4.2       | A19, A20, IB6, IP2, N34, T3, TP33       |  | None | 212 | 241       | 15 kg     | 50 kg     | D  |  |  |  |  |  |  | 34                 |
| Nitrostarch, dry or wetted with less than 20 percent water, by mass.                      | 1.1D      | UN0146 | II  | 1.1D      |   |  | None | 62  | None      | Forbidden | Forbidden | 10 |  |  |  |  |  |  |                    |
| Nitrostarch, wetted with not less than 20 percent water, by mass.                         | 4.1       | UN1337 | I   | 4.1       | 23, A8, A19, A20, N41                   |  | None | 211 | None      | 1 kg      | 15 kg     | D  |  |  |  |  |  |  | 28                 |
| Nitrosugars (dry) .....   | Forbidden |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nitrosyl chloride .....   | 2.3       | UN1069 |     | 2.3, 8    | 3, B14                                  |  | None | 304 | 314, 315. | Forbidden | Forbidden | D  |  |  |  |  |  |  | 40                 |
| Nitrosylsulfuric acid, liquid .....   | 8         | UN2308 | II  | 8         | A3, A6, A7, B2, IB2, N34, T8, TP2, TP12 |  | 154  | 202 | 242       | 1 L       | 30 L      | D  |  |  |  |  |  |  | 40, 66, 74, 89, 90 |
| Nitrosylsulphuric acid, solid .....   | 8         | UN3456 | II  | 8         | IB8, IP2, IP4, T3, TP33                 |  | 154  | 212 | 240       | 15 kg     | 50 kg     | D  |  |  |  |  |  |  | 40, 66, 74, 89, 90 |
| Nitrotoluenes, liquid .....   | 6.1       | UN1664 | II  | 6.1       | IB2, T7, TP2                            |  | 153  | 202 | 243       | 5 L       | 60 L      | A  |  |  |  |  |  |  |                    |
| Nitrotoluenes, solid .....  | 6.1       | UN3446 | II  | 6.1       | IB8, IP2, IP4, T3, TP33                 |  | 153  | 212 | 242       | 25 kg     | 100 kg    | A  |  |  |  |  |  |  |                    |
| Nitrotoluidines (mono) .....  | 6.1       | UN2660 | III | 6.1       | IB8, IP3, T1, TP33                      |  | 153  | 213 | 240       | 100 kg    | 200 kg    | A  |  |  |  |  |  |  |                    |
| Nitrotriazolone or NTO .....  | 1.1D      | UN0490 | II  | 1.1D      |   |  | None | 62  | None      | Forbidden | Forbidden | 10 |  |  |  |  |  |  |                    |
| Nitrous oxide and carbon dioxide mixtures, see Carbon dioxide and nitrous oxide mixtures. |           |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nitrous oxide .....   | 2.2       | UN1070 |     | 2.2, 5.1. | A14                                     |  | 306  | 304 | 314, 315. | 75 kg     | 150 kg    | A  |  |  |  |  |  |  | 40                 |
| Nitrous oxide, refrigerated liquid  | 2.2       | UN2201 |     | 2.2, 5.1. | B6, T75, TP5, TP22                      |  | None | 304 | 314, 315. | Forbidden | Forbidden | B  |  |  |  |  |  |  | 40                 |
| Nitroxylenes, liquid .....  | 6.1       | UN1665 | II  | 6.1       | IB2, T7, TP2                            |  | 153  | 202 | 243       | 5 L       | 60 L      | A  |  |  |  |  |  |  |                    |
| Nitroxylenes, solid .....   | 6.1       | UN3447 | II  | 6.1       | IB8, IP2, IP4, T3, TP33                 |  | 153  | 212 | 242       | 25 kg     | 100 kg    | A  |  |  |  |  |  |  |                    |
| Nitroxylol, see Nitroxylenes .....  |           |        |     |           |   |  |      |     |           |           |           |    |  |  |  |  |  |  |                    |
| Nonanes .....   | 3         | UN1920 | III | 3         | B1, IB3, T2, TP1                        |  | 150  | 203 | 242       | 60 L      | 220 L     | A  |  |  |  |  |  |  |                    |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                           | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)    | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|-------------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |                                     | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |                                     | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          | <i>Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc.</i>     |                            |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | <i>Nonliquefied gases, see Compressed gases, etc.</i>                                 |                            |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | <i>Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s..</i> |                            |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | Nonyltrichlorosilane .....  | 8                          | UN1799                     | II  | 8           | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None                  | 202       | 242       | Forbidden                                       | 30 L                  | C                | 40    |
|          | <i>Nordhausen acid, see Sulfuric acid, fuming etc.</i>                                |                            |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | <i>2,5-Norbornadiene, stabilized, see Bicyclo 2.2.1 hepta-2,5-diene, stabilized.</i>  |                            |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | Octadecyltrichlorosilane .....  | 8                          | UN1800                     | II  | 8           | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None                  | 202       | 242       | Forbidden                                       | 30 L                  | C                | 40    |
|          | Octadiene .....   | 3                          | UN2309                     | II  | 3           | B1, IB2, T4, TP1                    | 150                   | 202       | 242       | 5 L   | 60 L                  | B                |       |
|          | <i>1,7-Octadine-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid.</i>                      | Forbidden                  |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | Octafluorobut-2-ene or Refrigerant gas R 1318.  | 2.2                        | UN2422                     |     | 2.2         |                                     | None                  | 304       | 314, 315. | 75 kg   | 150 kg                | A                |       |
|          | Octafluorocyclobutane, or Refrigerant gas RC 318.                                     | 2.2                        | UN1976                     |     | 2.2         | T50                                 | None                  | 304       | 314, 315. | 75 kg   | 150 kg                | A                |       |
|          | Octafluoropropane or Refrigerant gas R 218.   | 2.2                        | UN2424                     |     | 2.2         | T50                                 | None                  | 304       | 314, 315. | 75 kg   | 150 kg                | A                |       |
|          | Octanes .....   | 3                          | UN1262                     | II  | 3           | IB2, T4, TP1                        | 150                   | 202       | 242       | 5 L   | 60 L                  | B                |       |
|          | Octogen, etc. see Cyclotetramethylene tetranitramine, etc..                           |                            |                            |     |             |                                     |                       |           |           |   |                       |                  |       |
|          | Octolite or Octol, dry or wetted with less than 15 percent water, by mass.            | 1.1D                       | UN0266                     | II  | 1.1D        |                                     | None                  | 62        | None      | Forbidden                                       | Forbidden             | 10               |       |
|          | Octonal .....   | 1.1D                       | UN0496                     |     | 1.1D        |                                     | None                  | 62        | None      | Forbidden                                       | Forbidden             | 10               |       |
|          | Octyl aldehydes .....   | 3                          | UN1191                     | III | 3           | B1, IB3, T2, TP1                    | 150                   | 203       | 242       | 60 L  | 220 L                 | A                |       |
|          | Octyltrichlorosilane .....  | 8                          | UN1801                     | II  | 8           | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None                  | 202       | 242       | Forbidden                                       | 30 L                  | C                | 40    |

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|--|-----------|--------|-------|--------------|------|-----------|-----------|--------------|-----------|-----------|---|-------------------|
| Oil gas, compressed .....                                  | 2.3       | UN1071 | ..... | 2.3,<br>2.1. | 6    | None .... | 304 ..... | 314,<br>315. | Forbidden | 25 kg     | D | 40                |
| <i>Oleum, see Sulfuric acid, fuming</i>                    | .....     |        |       | .....        |      |           |           |              |           |           |   | .....             |
| <i>Organic peroxide type A, liquid or solid.</i>           | Forbidden |        |       | .....        |      |           |           |              |           |           |   | .....             |
| G Organic peroxide type B, liquid                          | 5.2       | UN3101 | II    | 5.2, 1       | 53   | 152 ..... | 225 ..... | None ....    | Forbidden | Forbidden | D | 12, 40,<br>52, 53 |
| G Organic peroxide type B, liquid, temperature controlled. | 5.2       | UN3111 | II    | 5.2, 1       | 53   | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type B, solid ..                        | 5.2       | UN3102 | II    | 5.2, 1       | 53   | 152 ..... | 225 ..... | None ....    | Forbidden | Forbidden | D | 12, 40,<br>52, 53 |
| G Organic peroxide type B, solid, temperature controlled.  | 5.2       | UN3112 | II    | 5.2, 1       | 53   | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type C, liquid                          | 5.2       | UN3103 | II    | 5.2 .....    |      | 152 ..... | 225 ..... | None ....    | 5 L       | 10 L      | D | 12, 40,<br>52, 53 |
| G Organic peroxide type C, liquid, temperature controlled. | 5.2       | UN3113 | II    | 5.2 .....    |      | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type C, solid ..                        | 5.2       | UN3104 | II    | 5.2 .....    |      | 152 ..... | 225 ..... | None ....    | 5 kg      | 10 kg     | D | 12, 40,<br>52, 53 |
| G Organic peroxide type C, solid, temperature controlled.  | 5.2       | UN3114 | II    | 5.2 .....    |      | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type D, liquid                          | 5.2       | UN3105 | II    | 5.2 .....    |      | 152 ..... | 225 ..... | None ....    | 5 L       | 10 L      | D | 12, 40,<br>52, 53 |
| G Organic peroxide type D, liquid, temperature controlled. | 5.2       | UN3115 | II    | 5.2 .....    |      | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type D, solid ..                        | 5.2       | UN3106 | II    | 5.2 .....    |      | 152 ..... | 225 ..... | None ....    | 5 kg      | 10 kg     | D | 12, 40,<br>52, 53 |
| G Organic peroxide type D, solid, temperature controlled.  | 5.2       | UN3116 | II    | 5.2 .....    |      | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type E, liquid                          | 5.2       | UN3107 | II    | 5.2 .....    |      | 152 ..... | 225 ..... | None ....    | 10 L      | 25 L      | D | 12, 40,<br>52, 53 |
| G Organic peroxide type E, liquid, temperature controlled. | 5.2       | UN3117 | II    | 5.2 .....    |      | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type E, solid ..                        | 5.2       | UN3108 | II    | 5.2 .....    |      | 152 ..... | 225 ..... | None ....    | 10 kg     | 25 kg     | D | 12, 40,<br>52, 53 |
| G Organic peroxide type E, solid, temperature controlled.  | 5.2       | UN3118 | II    | 5.2 .....    |      | None .... | 225 ..... | None ....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type F, liquid ..                       | 5.2       | UN3109 | II    | 5.2 .....    | IP5  | 152 ..... | 225 ..... | 225 .....    | 10 L      | 25 L      | D | 12, 40,<br>52, 53 |
| G Organic peroxide type F, liquid, temperature controlled. | 5.2       | UN3119 | II    | 5.2 .....    | IP5  | None .... | 225 ..... | 225 .....    | Forbidden | Forbidden | D | 2, 40,<br>52, 53  |
| G Organic peroxide type F, solid ...                       | 5.2       | UN3110 | II    | 5.2 .....    | TP33 | 152 ..... | 225 ..... | 225 .....    | 10 kg     | 25 kg     | D | 12, 40,<br>52, 53 |
| G Organic peroxide type F, solid, temperature controlled.  | 5.2       | UN3120 | II    | 5.2 .....    | TP33 | None .... | 225 ..... | 225 .....    | Forbidden | Forbidden | D | 2, 52,<br>53      |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |      | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|-----------|------|---|-----------------------|------------------|-------|
|          |   |                            |                            |       |             |                                  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |       |             |                                  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| D        | Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas.<br>Organic pigments, self-heating .. | 2.3                        | NA1955                     | ..... | 2.3         | 3                                | None                  | 334       | None | Forbidden                                       | Forbidden             | D                | 40    |
|          |   | 4.2                        | UN3313                     | II    | 4.2         | IB8, IP2, IP4, T3, TP33          | None                  | 212       | 241  | 15 kg   | 50 kg                 | C                | ..... |
|          |   |                            |                            | III   | 4.2         | IB8, IP3, T1, TP33               | None                  | 213       | 241  | 25 kg   | 100 kg                | C                | ..... |
| G        | Organoarsenic compound, liq- uid, n.o.s..   | 6.1                        | UN3280                     | I     | 6.1         | 5, T14, TP2, TP13, TP27          | None                  | 201       | 242  | 1 L   | 30 L                  | B                |       |
|          |   |                            |                            | II    | 6.1         | IB2, T11, TP2, TP27              | 153                   | 202       | 242  | 5 L   | 60 L                  | B                |       |
|          |   |                            |                            | III   | 6.1         | IB3, T7, TP1, TP28               | 153                   | 203       | 241  | 60 L  | 220 L                 | A                |       |
| G        | Organoarsenic compound, solid, n.o.s..  | 6.1                        | UN3465                     | I     | 6.1         | IB7, IP1, T6, TP33               | None                  | 211       | 242  | 5 kg  | 50 kg                 | B                | ..... |
|          |   |                            |                            | II    | 6.1         | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242  | 25 kg   | 100 kg                | B                | ..... |
|          |   |                            |                            | III   | 6.1         | IB8, IP3, T1, TP33               | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                | ..... |
|          | Organochlorine pesticides liquid, flammable, toxic, flash point less than 23 degrees C.   | 3                          | UN2762                     | I     | 3, 6.1      | T14, TP2, TP13, TP27             | None                  | 201       | 243  | Forbidden                                       | 30 L                  | B                | 40    |
|          |   |                            |                            | II    | 3, 6.1      | IB2, T11, TP2, TP13, TP27        | 150                   | 202       | 243  | 1 L   | 60 L                  | B                | 40    |
|          | Organochlorine pesticides, liq- uid, toxic.   | 6.1                        | UN2996                     | I     | 6.1         | T14, TP2, TP13, TP27             | None                  | 201       | 243  | 1 L   | 30 L                  | B                | 40    |
|          |   |                            |                            | II    | 6.1         | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243  | 5 L   | 60 L                  | B                | 40    |
|          |   |                            |                            | III   | 6.1         | IB3, T7, TP2, TP28               | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | 40    |
|          | Organochlorine pesticides, liq- uid, toxic, flammable, flash point not less than 23 degrees C.  | 6.1                        | UN2995                     | I     | 6.1, 3      | T14, TP2, TP13, TP27             | None                  | 201       | 243  | 1 L   | 30 L                  | B                | 40    |
|          |   |                            |                            | II    | 6.1, 3      | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243  | 5 L   | 60 L                  | B                | 40    |
|          |   |                            |                            | III   | 6.1, 3      | B1, IB3, T7, TP2, TP28           | 153                   | 203       | 242  | 60 L  | 220 L                 | A                | 40    |

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|---|---|-----|--------|-----|----------|-------------------------|------|-----|-----|-----------|-----------|---|--------|
|   | Organochlorine pesticides, solid, toxic.                      | 6.1 | UN2761 | I   | 6.1      | IB7, IP1, T6, TP33      | None | 211 | 242 | 5 kg      | 50 kg     | A | 40     |
|   |   |     |        | II  | 6.1      | IB8, IP2, IP4, T3, TP33 | 153  | 212 | 242 | 25 kg     | 100 kg    | A | 40     |
|   |   |     |        | III | 6.1      | IB8, IP3, T1, TP33      | 153  | 213 | 240 | 100 kg    | 200 kg    | A | 40     |
| G | Organometallic compound, toxic, liquid, n.o.s..               | 6.1 | UN3282 | I   | 6.1      | T14, TP2, TP13, TP27    | None | 201 | 242 | 1 L       | 30 L      | B | .....  |
|   |   |     |        | II  | 6.1      | IB2, T11, TP2, TP27     | 153  | 202 | 242 | 5 L       | 60 L      | B | .....  |
|   |   |     |        | III | 6.1      | IB3, T7, TP1, TP28      | 153  | 203 | 241 | 60 L      | 220 L     | A | .....  |
| G | Organometallic compound, toxic, solid, n.o.s..                | 6.1 | UN3467 | I   | 6.1      | IB7, IP1, T6, TP33      | None | 211 | 242 | 5 kg      | 50 kg     | B | .....  |
|   |   |     |        | II  | 6.1      | IB8, IP2, IP4, T3, TP33 | 153  | 212 | 242 | 25 kg     | 100 kg    | B | .....  |
|   |   |     |        | III | 6.1      | IB8, IP3, T1, TP33      | 153  | 213 | 240 | 100 kg    | 200 kg    | A | .....  |
| G | Organometallic substance, liquid, pyrophoric.                 | 4.2 | UN3392 | I   | 4.2      | B11, T21, TP2, TP7      | None | 181 | 244 | Forbidden | Forbidden | D | 143    |
| G | Organometallic substance, liquid, pyrophoric, water-reactive. | 4.2 | UN3394 | I   | 4.2, 4.3 | B11, T21, TP2, TP7      | None | 181 | 244 | Forbidden | Forbidden | D | .....  |
| G | Organometallic substance, liquid, water-reactive.             | 4.3 | UN3398 | I   | 4.3      | T13, TP2, TP7           | None | 201 | 244 | Forbidden | 1 L       | E | 40, 52 |
|   |   |     |        | II  | 4.3      | IB1, T7, TP2, TP7       | None | 202 | 243 | 1 L       | 5 L       | E | 40, 52 |
|   |   |     |        | III | 4.3      | IB2, T7, TP2, TP7       | None | 203 | 242 | 5 L       | 60 L      | E | 40, 52 |
| G | Organometallic substance, liquid, water-reactive, flammable.  | 4.3 | UN3399 | I   | 4.3, 3   | T13, TP2, TP7           | None | 201 | 244 | Forbidden | 1 L       | E | 40, 52 |
|   |   |     |        | II  | 4.3, 3   | IB1, IP2, T7, TP2, TP7  | None | 202 | 243 | 1 L       | 5 L       | E | 40, 52 |
|   |   |     |        | III | 4.3, 3   | IB2, IP4, T7, TP2, TP7  | None | 203 | 242 | 5 L       | 60 L      | E | 40, 52 |
| G | Organometallic substance, solid, pyrophoric.                  | 4.2 | UN3391 | I   | 4.2      | T21, TP7, TP33          | None | 187 | 244 | Forbidden | Forbidden | D | .....  |
| G | Organometallic substance, solid, pyrophoric, water-reactive.  | 4.2 | UN3393 | I   | 4.2, 4.3 | B11, T21, TP7, TP33     | None | 187 | 244 | Forbidden | Forbidden | D | 52.    |
| G | Organometallic substance, solid, self-heating.                | 4.2 | UN3400 | II  | 4.2      | IB6, T3, TP33           | None | 212 | 242 | 15 kg     | 50 kg     | C | .....  |
|   |   |     |        | III | 4.2      | IB8, T1, TP33           | None | 203 | 242 | 25 kg     | 100 kg    | C | .....  |
|   | Organometallic substance, solid, water-reactive.              | 4.3 | UN3395 | I   | 4.3      | N40, T9, TP7, TP33      | None | 211 | 242 | Forbidden | Forbidden | E | 40, 52 |
| G | Organometallic substance, solid, water-reactive, flammable.   | 4.3 | UN3396 | I   | 4.3, 4.1 | N40, T9, TP7, TP33      | None | 211 | 242 | Forbidden | Forbidden | E | 40, 52 |
|   |   |     |        | II  | 4.3, 4.1 | IB4, T3, TP33           | 151  | 212 | 242 | 15 kg     | 50 kg     | E | 40, 52 |
|   |   |     |        | III | 4.3, 4.1 | IB6, T1, TP33           | 151  | 213 | 241 | 25 kg     | 100 kg    | E | 40, 52 |



|   |       |        |            |   |       |       |       |           |        |       |       |
|---|-------|--------|------------|---|-------|-------|-------|-----------|--------|-------|-------|
| Organophosphorus pesticides, solid, toxic.  | 6.1   | UN2783 | I 6.1      | IB7, IP1, N77, T6, TP33                 | None  | 211   | 242   | 5 kg      | 50 kg  | A     | 40    |
| .....   | ..... | .....  | II 6.1     | IB8, IP2, IP4, N77, T3, TP33            | 153   | 212   | 242   | 25 kg     | 100 kg | A     | 40    |
| .....   | ..... | .....  | III 6.1    | IB8, IP3, N77, T1, TP33                 | 153   | 213   | 240   | 100 kg    | 200 kg | A     | 40    |
| Organotin compounds, liquid, n.o.s..  | 6.1   | UN2788 | I 6.1      | A3, N33, N34, T14, TP2, TP13, TP27      | None  | 201   | 243   | 1 L       | 30 L   | B     | 40    |
| .....   | ..... | .....  | II 6.1     | A3, IB2, N33, N34, T11, TP2, TP13, TP27 | 153   | 202   | 243   | 5 L       | 60 L   | A     | 40    |
| .....   | ..... | .....  | III 6.1    | IB3, T7, TP2, TP28                      | 153   | 203   | 241   | 60 L      | 220 L  | A     | 40    |
| Organotin compounds, solid, n.o.s..   | 6.1   | UN3146 | I 6.1      | A5, IB7, IP1, T6, TP33                  | None  | 211   | 242   | 5 kg      | 50 kg  | B     | 40    |
| .....   | ..... | .....  | II 6.1     | IB8, IP2, IP4, T3, TP33                 | 153   | 212   | 242   | 25 kg     | 100 kg | A     | 40    |
| .....   | ..... | .....  | III 6.1    | IB8, IP3, T1, TP33                      | 153   | 213   | 240   | 100 kg    | 200 kg | A     | 40    |
| Organotin pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.     | 3     | UN2787 | I 3, 6.1   | T14, TP2, TP13, TP27                    | None  | 201   | 243   | Forbidden | 30 L   | B     | 40    |
| .....   | ..... | .....  | II 3, 6.1  | IB2, T11, TP2, TP13, TP27               | 150   | 202   | 243   | 1 L       | 60 L   | B     | 40    |
| Organotin pesticides, liquid, toxic.  | 6.1   | UN3020 | I 6.1      | T14, TP2, TP13, TP27                    | None  | 201   | 243   | 1 L       | 30 L   | B     | 40    |
| .....   | ..... | .....  | II 6.1     | IB2, T11, TP2, TP13, TP27               | 153   | 202   | 243   | 5 L       | 60 L   | B     | 40    |
| .....   | ..... | .....  | III 6.1    | IB3, T7, TP2, TP28                      | 153   | 203   | 241   | 60 L      | 220 L  | A     | 40    |
| Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1   | UN3019 | I 6.1, 3   | T14, TP2, TP13, TP27                    | None  | 201   | 243   | 1 L       | 30 L   | B     | 40    |
| .....   | ..... | .....  | II 6.1, 3  | IB2, T11, TP2, TP13, TP27               | 153   | 202   | 243   | 5 L       | 60 L   | B     | 40    |
| .....   | ..... | .....  | III 6.1, 3 | B1, IB3, T7, TP2, TP28                  | 153   | 203   | 242   | 60 L      | 220 L  | A     | 40    |
| Organotin pesticides, solid, toxic  | 6.1   | UN2786 | I 6.1      | IB7, IP1, T6, TP33                      | None  | 211   | 242   | 5 kg      | 50 kg  | A     | 40    |
| .....   | ..... | .....  | II 6.1     | IB8, IP2, IP4, T3, TP33                 | 153   | 212   | 242   | 25 kg     | 100 kg | A     | 40    |
| .....   | ..... | .....  | III 6.1    | IB8, IP3, T1, TP33                      | 153   | 213   | 240   | 100 kg    | 200 kg | A     | 40    |
| Orthonitroaniline, Nitroanilines etc. see   | ..... | .....  | .....      | .....                                   | ..... | ..... | ..... | .....     | .....  | ..... | ..... |
| Osmium tetroxide  | 6.1   | UN2471 | I 6.1      | A8, IB7, IP1, N33, N34, T6, TP33        | None  | 211   | 242   | 5 kg      | 50 kg  | B     | 40    |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |                      |
|----------|---|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|----------------------|
|          |   |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                      |
|          |   |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                |
| D G      | Other regulated substances, liq- uid, n.o.s..               | 9                          | NA3082                     | III | 9 .....     | IB3, T2, TP1                     | 155 .....             | 203 ..... | 241 ..... | No limit  | No limit              | A                | .....                |
| D G      | Other regulated substances, solid, n.o.s..                  | 9                          | NA3077                     | III | 9 .....     | B54, IB8, IP2, T1, TP33          | 155 .....             | 213 ..... | 240 ..... | No limit  | No limit              | A                | .....                |
| G        | Oxidizing liquid, corrosive, n.o.s.                         | 5.1                        | UN3098                     | I   | 5.1, 8      | A6                               | None ....             | 201 ..... | 244 ..... | Forbidden                                       | 2.5 L                 | D                | 13, 56, 58, 106, 138 |
|          | .....   |                            |                            | II  | 5.1, 8      | IB1                              | None ....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | 34, 56, 58, 106, 138 |
|          | .....   |                            |                            | III | 5.1, 8      | IB2                              | 152 .....             | 203 ..... | 242 ..... | 2.5 L   | 30 L                  | B                | 34, 56, 58, 106, 138 |
| G        | Oxidizing liquid, n.o.s. ....                               | 5.1                        | UN3139                     | I   | 5.1 .....   | 127, A2, A6                      | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 2.5 L                 | D                | 56, 58, 106, 138     |
|          | .....   |                            |                            | II  | 5.1 .....   | 127, A2, IB2                     | 152 .....             | 202 ..... | 242 ..... | 1 L   | 5 L                   | B                | 56, 58, 106, 138     |
|          | .....   |                            |                            | III | 5.1 .....   | 127, A2, IB2                     | 152 .....             | 203 ..... | 241 ..... | 2.5 L   | 30 L                  | B                | 56, 58, 106, 138     |
| G        | Oxidizing liquid, toxic, n.o.s. ....                        | 5.1                        | UN3099                     | I   | 5.1, 6.1.   | A6                               | None ....             | 201 ..... | 244 ..... | Forbidden                                       | 2.5 L                 | D                | 56, 58, 106, 138     |
|          | .....   |                            |                            | II  | 5.1, 6.1.   | IB1                              | 152 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | 56, 58, 95, 106, 138 |
|          | .....   |                            |                            | III | 5.1, 6.1.   | IB2                              | 152 .....             | 203 ..... | 242 ..... | 2.5 L   | 30 L                  | B                | 56, 58, 95, 106, 138 |
| G        | Oxidizing solid, corrosive, n.o.s.                          | 5.1                        | UN3085                     | I   | 5.1, 8      |                                  | None ....             | 211 ..... | 242 ..... | 1 kg  | 15 kg                 | D                | 13, 56, 58, 106, 138 |

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|---|--|------------|-----|--------------|-------------------------|------|-----|-----------|-----------|-------------|---|--------------------------|
|   |  |            | II  | 5.1, 8       | IB6, IP2, T3, TP33      | None | 212 | 242       | 5 kg      | 25 kg       | B | 13, 34, 56, 58, 106, 138 |
|   |  |            | III | 5.1, 8       | IB8, IP3, T1, TP33      | 152  | 213 | 240       | 25 kg     | 100 kg      | B | 13, 34, 56, 58, 106, 138 |
| G | Oxidizing solid, flammable, n.o.s..  | 5.1 UN3137 | I   | 5.1, 4.1.    |                         | None | 214 | 214       | Forbidden | Forbidden   |   |                          |
| G | Oxidizing solid, n.o.s.  | 5.1 UN1479 | I   | 5.1          | IB5, IP1                | None | 211 | 242       | 1 kg      | 15 kg       | D | 56, 58, 106, 138         |
|   |  |            | II  | 5.1          | IB8, IP2, IP4, T3, TP33 | 152  | 212 | 240       | 5 kg      | 25 kg       | B | 56, 58, 106, 138         |
|   |  |            | III | 5.1          | IB8, IP3, T1, TP33      | 152  | 213 | 240       | 25 kg     | 100 kg      | B | 56, 58, 106, 138         |
| G | Oxidizing solid, self-heating, n.o.s..   | 5.1 UN3100 | I   | 5.1, 4.2.    |                         | None | 214 | 214       | Forbidden | Forbidden   |   |                          |
|   |  |            | II  | 5.1, 4.2.    |                         | None | 214 | 214       | Forbidden | Forbidden   |   |                          |
| G | Oxidizing solid, toxic, n.o.s.   | 5.1 UN3087 | I   | 5.1, 6.1.    |                         | None | 211 | 242       | 1 kg      | 15 kg       | D | 56, 58, 106, 138         |
|   |  |            | II  | 5.1, 6.1.    | IB6, IP2, T3, TP33      | 152  | 212 | 242       | 5 kg      | 25 kg       | B | 56, 58, 95, 106, 138     |
|   |  |            | III | 5.1, 6.1.    | IB8, IP3, T1, TP33      | 152  | 213 | 240       | 25 kg     | 100 kg      | B | 56, 58, 95, 106, 138     |
| G | Oxidizing solid, water-reactive, n.o.s..   | 5.1 UN3121 |     | 5.1, 4.3.    |                         | None | 214 | 214       | Forbidden | Forbidden   |   |                          |
|   | <i>Oxygen and carbon dioxide mixtures, see Carbon dioxide and oxygen mixtures.</i>   |            |     |              |                         |      |     |           |           |             |   |                          |
|   | Oxygen, compressed   | 2.2 UN1072 |     | 2.2, 5.1.    | A14                     | 306  | 302 | 314, 315. | 75 kg     | 150 kg      | A |                          |
|   | Oxygen difluoride, compressed  | 2.3 UN2190 |     | 2.3, 5.1, 8. | 1, N86                  | None | 304 | None      | Forbidden | Forbidden   | D | 13, 40, 89, 90           |
|   | Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc).. | 5.1 UN3356 | II  | 5.1          |                         | None | 168 | None      | Forbidden | 25 kg gross | D | 56, 58, 69, 106          |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols  | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes                 | Special provi- sions (§ 172.102)  | (8)                   |           |       | (9)   |                       | (10)             |       |
|---|---|----------------------------|----------------------------|-------|-----------------------------|-----------------------------------|-----------------------|-----------|-------|---|-----------------------|------------------|-------|
|   |   |                            |                            |       |                             |                                   | Packaging (§ 173.***) |           |       | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|   |   |                            |                            |       |                             |                                   | Excep- tions          | Non- bulk | Bulk  | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| +   | Oxygen generator, chemical, spent.  | 9                          | NA3356                     | III   | 9                           | 61                                | None                  | 213       | None  | Forbidden                                       | Forbidden             | A                | ..... |
|   | <i>Oxygen, mixtures with rare gases, see Rare gases and oxygen mixtures.</i>  | .....                      | .....                      | ..... | .....                       | .....                             | .....                 | .....     | ..... | .....   | .....                 | .....            | ..... |
|   | Oxygen, refrigerated liquid (cryogenic liquid).   | 2.2                        | UN1073                     | ..... | 2.2, 5.1                    | T75, TP5, TP22                    | 320                   | 316       | 318   | Forbidden                                       | Forbidden             | D                | ..... |
|   | Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base. | 3                          | UN1263                     | I     | 3                           | T11, TP1, TP8, TP27               | 150                   | 201       | 243   | 1 L   | 30 L                  | E                | ..... |
|   |   | .....                      | .....                      | II    | 3                           | 149, B52, IB2, T4, TP1, TP8, TP28 | 150                   | 173       | 242   | 5 L   | 60 L                  | B                | ..... |
|   |   | .....                      | .....                      | III   | 3                           | B1, B52, IB3, T2, TP1, TP29       | 150                   | 173       | 242   | 60 L  | 220 L                 | A                | ..... |
|   | Paint or Paint related material ...   | 8                          | UN3066                     | II    | 8                           | B2, IB2, T7, TP2, TP28            | 154                   | 173       | 242   | 1 L   | 30 L                  | A                | ..... |
|   |   | .....                      | .....                      | III   | 8                           | B52, IB3, T4, TP1, TP29           | 154                   | 173       | 241   | 5 L   | 60 L                  | A                | ..... |
|   | Paint related material including paint thinning, drying, removing, or reducing compound.                                  | 3                          | UN1263                     | I     | 3                           | T11, TP1, TP8, TP27               | 150                   | 201       | 243   | 1 L   | 30 L                  | E                | ..... |
|   |   | .....                      | .....                      | II    | 3                           | 149, B52, IB2, T4, TP1, TP8, TP28 | 150                   | 173       | 242   | 5 L   | 60 L                  | B                | ..... |
| .....   |   | .....                      | III                        | 3     | B1, B52, IB3, T2, TP1, TP29 | 150                               | 173                   | 242       | 60 L  | 220 L   | A                     | .....            |       |
| Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base). | 8   | UN3470                     | II                         | 8, 3  | IB2, T7, TP2, TP8, TP28     | 154                               | 202                   | 243       | 1 L   | 30 L  | B                     | 40.              |       |
| Paint related material corrosive, flammable (including paint thinning or reducing compound).  | 8   | UN3470                     | II                         | 8, 3  | IB2, T7, TP2, TP8, TP28     | 154                               | 202                   | 243       | 1 L   | 30 L  | B                     | 40.              |       |

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|-----|---|-----------|--------|-------|-----------|-------------------------|-------|-------|-------|-----------|-----------|-----------|-------|
|     | Paint, flammable, corrosive ( <i>including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base</i> ).  | 3         | UN3469 | I     | 3, 8      | T11, TP2, TP27          | None  | 201   | 243   | 0.5 L     | 2.5 L     | E         | 40.   |
|     |   |           |        | II    | 3, 8      | IB2, T7, TP2, TP8, TP28 | 150   | 202   | 243   | 1 L       | 5 L       | B         | 40.   |
|     |   |           |        | III   | 3, 8      | IB3, T4, TP1, TP29      | 150   | 203   | 242   | 5 L       | 60 L      | A         | 40.   |
|     | Paper, unsaturated oil treated incompletely dried ( <i>including carbon paper</i> ).  | 4.2       | UN1379 | III   | 4.2       | IB8, IP3                | None  | 213   | 241   | Forbidden | Forbidden | A         | ..... |
|     | Paraformaldehyde .....  | 4.1       | UN2213 | III   | 4.1       | A1, IB8, IP3, T1, TP33  | 151   | 213   | 240   | 25 kg     | 100 kg    | A         | ..... |
|     | Paraldehyde .....   | 3         | UN1264 | III   | 3         | B1, IB3, T2, TP1        | 150   | 203   | 242   | 60 L      | 220 L     | A         | ..... |
|     | <i>Paranitroaniline, solid, see Nitroanilines etc.</i>  | .....     | .....  | ..... | .....     | .....                   | ..... | ..... | ..... | .....     | .....     | .....     | ..... |
| D   | Parathion and compressed gas mixture.   | 2.3       | NA1967 | ..... | 2.3       | 3                       | None  | 334   | 245   | Forbidden | Forbidden | E         | 40    |
|     | <i>Paris green, solid, see Copper acetoarsenite.</i>  | .....     | .....  | ..... | .....     | .....                   | ..... | ..... | ..... | .....     | .....     | .....     | ..... |
| A W | PCB, <i>see</i> Polychlorinated biphenyls.  | .....     | .....  | ..... | .....     | .....                   | ..... | ..... | ..... | .....     | .....     | .....     | ..... |
| +   | Pentaborane .....   | 4.2       | UN1380 | I     | 4.2, 6.1. | 1                       | None  | 205   | 245   | Forbidden | Forbidden | D         | ..... |
|     | Pentachloroethane .....   | 6.1       | UN1669 | II    | 6.1       | IB2, T7, TP2            | 153   | 202   | 243   | 5 L       | 60 L      | A         | 40    |
|     | Pentachlorophenol .....   | 6.1       | UN3155 | II    | 6.1       | IB8, IP2, IP4, T3, TP33 | 153   | 212   | 242   | 25 kg     | 100 kg    | A         | ..... |
|     | <i>Pentaerythrite tetranitrate (dry) ..</i>   | Forbidden | .....  | ..... | .....     | .....                   | ..... | ..... | ..... | .....     | .....     | .....     | ..... |
|     | <i>Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. with more than 10 percent but not more than 20 percent PETN, by mass.</i>   | 4.1       | UN3344 | II    | 4.1       | 118, N85                | None  | 214   | None  | Forbidden | Forbidden | E         | ..... |
|     | <i>Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass.</i>   | 1.1D      | UN0411 | II    | 1.1D      | ..                      | None  | 62    | None  | Forbidden | Forbidden | 10        | ..... |
|     | <i>Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass.</i> | 1.1D      | UN0150 | II    | 1.1D      | ..                      | 121   | None  | 62    | None      | Forbidden | Forbidden | 10    |
|     | <i>Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc.</i>  | .....     | .....  | ..... | .....     | .....                   | ..... | ..... | ..... | .....     | .....     | .....     | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                           | Hazard class or Di-vision | Identifica-tion Num-bers | PG    | Label Codes | Special provi-sions (§ 172.102)                       | (8)                   |           |            | (9)   |                      | (10)            |                 |
|----------|---|---------------------------|--------------------------|-------|-------------|---|-----------------------|-----------|------------|---|----------------------|-----------------|-----------------|
|          |   |                           |                          |       |             |   | Packaging (§ 173.***) |           |            | Quantity limitations (see §§ 173.27 and 175.75) |                      | Vessel stow-age |                 |
|          |   |                           |                          |       |             |   | Excep-tions           | Non-bulk  | Bulk       | Passenger aircraft/rail                         | Cargo air-craft only | Loca-tion       | Other           |
|          | Pentafluoroethane or Refrigerant gas R 125.   | 2.2                       | UN3220                   | ..... | 2.2 .....   | T50   | 306 .....             | 304 ..... | 314, 315.  | 75 kg   | 150 kg               | A               | .....           |
|          | Pentamethylheptane .....  | 3                         | UN2286                   | III   | 3 .....     | B1, IB3, T2, TP1                                      | 150 .....             | 203 ..... | 242 .....  | 60 L  | 220 L                | A               | .....           |
|          | Pentane-2,4-dione .....   | 3                         | UN2310                   | III   | 3, 6.1      | B1, IB3, T4, TP1                                      | 150 .....             | 203 ..... | 242 .....  | 60 L  | 220 L                | A               | .....           |
|          | Pentanes .....  | 3                         | UN1265                   | I     | 3 .....     | T11, TP2  | 150 .....             | 201 ..... | 243 .....  | 1 L   | 30 L                 | E               | .....           |
|          | .....   |                           |                          | II    | 3 .....     | IB2, IP8, T4, TP1                                     | 150 .....             | 202 ..... | 242 .....  | 5 L   | 60 L                 | E               | .....           |
|          | Pentanitroaniline (dry) .....   | Forbidden                 |                          |       |             |   |                       |           |            |   |                      |                 |                 |
|          | Pentanol .....  | 3                         | UN1105                   | II    | 3 .....     | IB2, T4, TP1, TP29                                    | 150 .....             | 202 ..... | 242 .....  | 5 L   | 60 L                 | B               | .....           |
|          | .....   |                           |                          | III   | 3 .....     | B1, B3, IB3, T2, TP1                                  | 150 .....             | 203 ..... | 242 .....  | 60 L  | 220 L                | A               | .....           |
|          | 1-Pentene (n-amylene) .....   | 3                         | UN1108                   | I     | 3 .....     | T11, TP2  | 150 .....             | 201 ..... | 243 .....  | 1 L   | 30 L                 | E               | .....           |
|          | 1-Pentol .....  | 8                         | UN2705                   | II    | 8 .....     | B2, IB2, T7, TP2                                      | 154 .....             | 202 ..... | 242 .....  | 1 L   | 30 L                 | B               | 26, 27          |
|          | Pentolite, dry or wetted with less than 15 percent water, by mass.                    | 1.1D                      | UN0151                   | II    | 1.1D ..     |   | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden            | 10              | .....           |
|          | Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized.              |                           |                          |       |             |   |                       |           |            |   |                      |                 |                 |
|          | Perchlorates, inorganic, aqueous solution, n.o.s..                                    | 5.1                       | UN3211                   | II    | 5.1 .....   | IB2, T4, TP1  | 152 .....             | 202 ..... | 242 .....  | 1 L   | 5 L                  | B               | 56, 58, 133     |
|          | .....   |                           |                          | III   | 5.1 .....   | IB2, T4, TP1  | 152 .....             | 202 ..... | 241 .....  | 2.5 L   | 30 L                 | B               | 56, 58, 69, 133 |
|          | Perchlorates, inorganic, n.o.s. ...   | 5.1                       | UN1481                   | II    | 5.1 .....   | IB6, IP2, T3, TP33                                    | 152 .....             | 212 ..... | 242 .....  | 5 kg  | 25 kg                | A               | 56, 58          |
|          | .....   |                           |                          | III   | 5.1 .....   | IB8, IP3, T1, TP33                                    | 152 .....             | 213 ..... | 240 .....  | 25 kg   | 100 kg               | A               | 56, 58          |
|          | Perchloric acid, with more than 72 percent acid by mass.                              | Forbidden                 |                          |       |             |   |                       |           |            |   |                      |                 |                 |
|          | Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass. | 5.1                       | UN1873                   | I     | 5.1, 8      | A2, A3, N41, T10, TP1, TP12                           | None .....            | 201 ..... | 243 .....  | Forbidden                                       | 2.5 L                | D               | 66              |
|          | Perchloric acid with not more than 50 percent acid by mass.                           | 8                         | UN1802                   | II    | 8, 5.1      | IB2, N41, T7, TP2                                     | None .....            | 202 ..... | 243 .....  | Forbidden                                       | 30 L                 | C               | 66              |
|          | Perchloroethylene, see Tetrachloroethylene.   |                           |                          |       |             |   |                       |           |            |   |                      |                 |                 |
|          | Perchloromethyl mercaptan .....   | 6.1                       | UN1670                   | I     | 6.1 .....   | 2, B9, B14, B32, B74, N34, T20, TP2, TP13, TP38, TP45 | None .....            | 227 ..... | 244 .....  | Forbidden                                       | Forbidden            | D               | 40              |

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|---|-----------|--------|-------|-----------|----------------------------------|-----------|----------------|-----------|-----------|-----------|---|------------------|
| Perchloryl fluoride .....   | 2.3       | UN3083 | ..... | 2.3, 5.1  | 2, B9, B14                       | None .... | 302 .....      | 314, 315. | Forbidden | Forbidden | D | 40               |
| <i>Percussion caps, see</i> Primers, cap type. ....   |           |        |       |           |                                  |           |                |           |           |           |   |                  |
| <i>Perfluoro-2-butene, see</i> Octafluorobut-2-ene. ....  |           |        |       |           |                                  |           |                |           |           |           |   |                  |
| Perfluoro(ethyl vinyl ether) .....  | 2.1       | UN3154 | ..... | 2.1 ..... |                                  | 306 ..... | 302, 304, 305. | 314, 315. | Forbidden | 150 kg    | E | 40               |
| Perfluoro(methyl vinyl ether) .....   | 2.1       | UN3153 | ..... | 2.1 ..... | T50                              | 306 ..... | 302, 304, 305. | 314, 315. | Forbidden | 150 kg    | E | 40               |
| Perfumery products with flammable solvents. ....  | 3         | UN1266 | II    | 3 .....   | 149, IB2, T4, TP1, TP8           | 150 ..... | 202 .....      | 242 ..... | 15 L      | 60 L      | B | .....            |
| .....   |           |        | III   | 3 .....   | B1, IB3, T2, TP1                 | 150 ..... | 203 .....      | 242 ..... | 60 L      | 220 L     | A | .....            |
| Permanganates, inorganic, aqueous solution, n.o.s..   | 5.1       | UN3214 | II    | 5.1 ..... | 26, IB2, T4, TP1                 | 152 ..... | 202 .....      | 242 ..... | 1 L       | 5 L       | D | 56, 58, 133, 138 |
| Permanganates, inorganic, n.o.s..   | 5.1       | UN1482 | II    | 5.1 ..... | 26, A30, IB6, IP2, T3, TP33      | 152 ..... | 212 .....      | 242 ..... | 5 kg      | 25 kg     | D | 56, 58, 138      |
| .....   |           |        | III   | 5.1 ..... | 26, A30, IB8, IP3, T1, TP33      | 152 ..... | 213 .....      | 240 ..... | 25 kg     | 100 kg    | D | 56, 58, 138      |
| Peroxides, inorganic, n.o.s. ....   | 5.1       | UN1483 | II    | 5.1 ..... | A7, A20, IB6, IP2, N34, T3, TP33 | None .... | 212 .....      | 242 ..... | 5 kg      | 25 kg     | A | 13, 52, 66, 75   |
| .....   |           |        | III   | 5.1 ..... | A7, A20, IB8, IP3, N34, T1, TP33 | 152 ..... | 213 .....      | 240 ..... | 25 kg     | 100 kg    | A | 13, 52, 66, 75   |
| <i>Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide.</i> | Forbidden |        |       |           |                                  |           |                |           |           |           |   |                  |
| Persulfates, inorganic, aqueous solution, n.o.s..   | 5.1       | UN3216 | III   | 5.1 ..... | IB2, T4, TP1, TP29               | 152 ..... | 203 .....      | 241 ..... | 2.5 L     | 30 L      | A | 56, 133          |
| Persulfates, inorganic, n.o.s. ....   | 5.1       | UN3215 | III   | 5.1 ..... | IB8, IP3, T1, TP33               | 152 ..... | 213 .....      | 240 ..... | 25 kg     | 100 kg    | A | 56, 58           |
| G Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.                         | 3         | UN3021 | I     | 3, 6.1    | B5, T14, TP2, TP13, TP27         | None .... | 201 .....      | 243 ..... | Forbidden | 30 L      | B | .....            |
| .....   |           |        | II    | 3, 6.1    | IB2, T11, TP2, TP13, TP27        | 150 ..... | 202 .....      | 243 ..... | 1 L       | 60 L      | B | .....            |
| G Pesticides, liquid, toxic, flammable, n.o.s. flash point not less than 23 degrees C.              | 6.1       | UN2903 | I     | 6.1, 3    | T14, TP2, TP13, TP27             | None .... | 201 .....      | 243 ..... | 1 L       | 30 L      | B | 40               |
| .....   |           |        | II    | 6.1, 3    | IB2, T11, TP2, TP13, TP27        | 153 ..... | 202 .....      | 243 ..... | 5 L       | 60 L      | B | 40               |
| .....   |           |        | III   | 6.1, 3    | B1, IB3, T7, TP2                 | 153 ..... | 203 .....      | 242 ..... | 60 L      | 220 L     | A | 40               |
| G Pesticides, liquid, toxic, n.o.s. ....  | 6.1       | UN2902 | I     | 6.1 ..... | T14, TP2, TP13, TP27             | None .... | 201 .....      | 243 ..... | 1 L       | 30 L      | B | 40               |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

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| Sym-bols   | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes                  | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |       |
|--|---|----------------------------|----------------------------|-------|------------------------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|  |   |                            |                            |       |                              |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|  |   |                            |                            |       |                              |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| G  | .....   | .....                      | .....                      | II    | 6.1                          | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243       | 5 L   | 60 L                  | B                | 40    |
|  | .....   | .....                      | .....                      | III   | 6.1                          | IB3, T7, TP2, TP28               | 153                   | 203       | 241       | 60 L  | 220 L                 | A                | 40    |
|  | Pesticides, solid, toxic, n.o.s. ....                       | 6.1                        | UN2588                     | I     | 6.1                          | IB7, T6, TP33                    | None                  | 211       | 242       | 5 kg  | 50 kg                 | A                | 40    |
|  | .....   | .....                      | .....                      | II    | 6.1                          | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242       | 25 kg   | 100 kg                | A                | 40    |
|  | .....   | .....                      | .....                      | III   | 6.1                          | IB8, IP3, T1, TP33               | 153                   | 213       | 240       | 100 kg  | 200 kg                | A                | 40    |
| PETN, see Pentaerythrite tetranitrate.                       | .....   | .....                      | .....                      | ..... | .....                        | .....                            | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
| PETN/TNT, see Pentolite, etc ...                             | .....   | .....                      | .....                      | ..... | .....                        | .....                            | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
| Petrol, see Gasoline .....                                   | .....   | .....                      | .....                      | ..... | .....                        | .....                            | .....                 | .....     | .....     | .....   | .....                 | .....            | ..... |
| Petroleum crude oil .....                                    | 3   | UN1267                     | I                          | 3     | 144, T11, TP1, TP8           | 150                              | 201                   | 243       | 1 L       | 30 L  | E                     | .....            |       |
| .....  | .....   | .....                      | .....                      | II    | 3                            | 144, IB2, T4, TP1, TP8           | 150                   | 202       | 242       | 5 L   | 60 L                  | B                | ..... |
| .....  | .....   | .....                      | .....                      | III   | 3                            | 144, B1, IB3, T2, TP1            | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
| Petroleum distillates, n.o.s. or Petroleum products, n.o.s.. | 3   | UN1268                     | I                          | 3     | 144, T11, TP1, TP8           | 150                              | 201                   | 243       | 1 L       | 30 L  | E                     | .....            |       |
| .....  | .....   | .....                      | .....                      | II    | 3                            | 144, IB2, T7, TP1, TP8, TP28     | 150                   | 202       | 242       | 5 L   | 60 L                  | B                | ..... |
| .....  | .....   | .....                      | .....                      | III   | 3                            | 144, B1, IB3, T4, TP1, TP29      | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
| Petroleum gases, liquefied or Liquefied petroleum gas.       | 2.1   | UN1075                     | .....                      | 2.1   | T50                          | 306                              | 304                   | 314, 315. | Forbidden | 150 kg  | E                     | 40               |       |
| Petroleum oil .....  | 3   | NA1270                     | I                          | 3     | 144, T11, TP1                | None                             | 201                   | 243       | 1 L       | 30 L  | E                     | .....            |       |
| .....  | .....   | .....                      | II                         | 3     | 144, IB2, T7, TP1, TP8, TP28 | 150                              | 202                   | 242       | 5 L       | 60 L  | B                     | .....            |       |
| .....  | .....   | .....                      | III                        | 3     | 144, B1, IB3, T4, TP1, TP29  | 150                              | 203                   | 242       | 60 L      | 220 L   | A                     | .....            |       |
| Phenacyl bromide .....                                       | 6.1   | UN2645                     | II                         | 6.1   | IB8, IP2, IP4, T3, TP33      | 153                              | 212                   | 242       | 25 kg     | 100 kg  | B                     | 40               |       |
| + Phenetidines .....   | 6.1   | UN2311                     | III                        | 6.1   | IB3, T4, TP1                 | 153                              | 203                   | 241       | 60 L      | 220 L   | A                     | .....            |       |
| + Phenol, molten .....                                       | 6.1   | UN2312                     | II                         | 6.1   | B14, T7, TP3                 | None                             | 202                   | 243       | Forbidden | Forbidden                                       | B                     | 40               |       |
| + Phenol, solid .....  | 6.1   | UN1671                     | II                         | 6.1   | IB8, IP2, IP4, N78, T3, TP33 | 153                              | 212                   | 242       | 25 kg     | 100 kg  | A                     | .....            |       |
| Phenol solutions .....                                       | 6.1   | UN2821                     | II                         | 6.1   | IB2, T7, TP2                 | 153                              | 202                   | 243       | 5 L       | 60 L  | A                     | .....            |       |
| .....  | .....   | .....                      | III                        | 6.1   | IB3, T4, TP1                 | 153                              | 203                   | 241       | 60 L      | 220 L   | A                     | .....            |       |

|  |       |        |     |        |   |      |     |     |           |           |   |                         |
|--|-------|--------|-----|--------|---|------|-----|-----|-----------|-----------|---|-------------------------|
| Phenolsulfonic acid, liquid .....  | 8     | UN1803 | II  | 8      | B2, IB2, N41, T7, TP2   | 154  | 202 | 242 | 1 L       | 30 L      | C | 14                      |
| Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C.      | 3     | UN3346 | I   | 3, 6.1 | T14, TP2, TP13, TP27  | None | 201 | 243 | Forbidden | 30 L      | B | 40                      |
| .....  | ..... | .....  | II  | 3, 6.1 | IB2, T11, TP2, TP13, TP27                                       | 150  | 202 | 243 | 1 L       | 60 L      | B | 40                      |
| Phenoxyacetic acid derivative pesticide, liquid, toxic.  | 6.1   | UN3348 | I   | 6.1    | T14, TP2, TP13, TP27  | None | 201 | 243 | 1 L       | 30 L      | B | 40                      |
| .....  | ..... | .....  | II  | 6.1    | IB2, T11, TP2, TP27   | 153  | 202 | 243 | 5 L       | 60 L      | B | 40                      |
| .....  | ..... | .....  | III | 6.1    | IB3, T7, TP2, TP28  | 153  | 203 | 241 | 60 L      | 220 L     | A | 40                      |
| Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1   | UN3347 | I   | 6.1, 3 | T14, TP2, TP13, TP27  | None | 201 | 243 | 1 L       | 30 L      | B | 40                      |
| .....  | ..... | .....  | II  | 6.1, 3 | IB2, T11, TP2, TP13, TP27                                       | 153  | 202 | 243 | 5 L       | 60 L      | B | 40                      |
| .....  | ..... | .....  | III | 6.1, 3 | IB3, T7, TP2, TP28  | 153  | 203 | 241 | 60 L      | 220 L     | A | 40                      |
| Phenoxyacetic acid derivative pesticide, solid, toxic.   | 6.1   | UN3345 | I   | 6.1    | IB7, IP1, T6, TP33  | None | 211 | 242 | 5 kg      | 50 kg     | A | 40                      |
| .....  | ..... | .....  | II  | 6.1    | IB8, IP2, IP4, T3, TP33   | 153  | 212 | 242 | 25 kg     | 100 kg    | A | 40                      |
| .....  | ..... | .....  | III | 6.1    | IB8, IP3, T1, TP33  | 153  | 213 | 240 | 100 kg    | 200 kg    | A | 40                      |
| Phenyl chloroformate .....   | 6.1   | UN2746 | II  | 6.1, 8 | IB2, T7, TP2, TP13  | 153  | 202 | 243 | 1 L       | 30 L      | A | 12, 13, 21, 25, 40, 100 |
| Phenyl isocyanate .....  | 6.1   | UN2487 | I   | 6.1, 3 | 2, B9, B14, B32, B74, B77, N33, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40                      |
| Phenyl mercaptan .....   | 6.1   | UN2337 | I   | 6.1, 3 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45           | None | 227 | 244 | Forbidden | Forbidden | B | 40, 52                  |
| Phenyl phosphorus dichloride ....  | 8     | UN2798 | II  | 8      | B2, B15, IB2, T7, TP2   | 154  | 202 | 242 | Forbidden | 30 L      | B | 40                      |
| Phenyl phosphorus thiodichloride.  | 8     | UN2799 | II  | 8      | B2, B15, IB2, T7, TP2   | 154  | 202 | 242 | Forbidden | 30 L      | B | 40                      |
| Phenyl urea pesticides, liquid, toxic.   | 6.1   | UN3002 | I   | 6.1    | T14, TP2 TP27   | None | 201 | 243 | 1 L       | 30 L      | B | 40                      |
| .....  | ..... | .....  | II  | 6.1    | T7, TP2   | None | 202 | 243 | 5 L       | 60 L      | B | 40                      |
| .....  | ..... | .....  | III | 6.1    | T4, TP1   | 153  | 203 | 241 | 60 L      | 220 L     | A | 40                      |
| Phenylacetonitrile, liquid .....   | 6.1   | UN2470 | III | 6.1    | IB3, T4, TP1  | 153  | 203 | 241 | 60 L      | 220 L     | A | 52                      |
| Phenylacetyl chloride .....  | 8     | UN2577 | II  | 8      | B2, IB2, T7, TP2  | 154  | 202 | 242 | 1 L       | 30 L      | C | 40                      |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                       | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                 | (8)                   |           |      | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          | Phenylcarbylamine chloride .....  | 6.1                        | UN1672                     | I   | 6.1         | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None                  | 227       | 244  | Forbidden                                       | Forbidden             | D                | 40    |
|          | <i>m</i> -Phenylene diaminediperchlorate (dry).                                   | Forbidden                  |                            |     |             |  |                       |           |      |   |                       |                  |       |
| +        | Phenylenediamines ( <i>o</i> -; <i>m</i> -; <i>p</i> -)                           | 6.1                        | UN1673                     | III | 6.1         | IB8, IP3, T1, TP33                               | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                |       |
|          | Phenylhydrazine .....   | 6.1                        | UN2572                     | II  | 6.1         | IB2, T7, TP2                                     | 153                   | 202       | 243  | 5 L   | 60 L                  | A                | 40    |
|          | Phenylmercuric acetate .....  | 6.1                        | UN1674                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33                          | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                |       |
|          | Phenylmercuric compounds, n.o.s..   | 6.1                        | UN2026                     | I   | 6.1         | IB7, IP1, T6, TP33                               | None                  | 211       | 242  | 5 kg  | 50 kg                 | A                |       |
|          |   |                            |                            | II  | 6.1         | IB8, IP2, IP4, T3, TP33                          | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                |       |
|          |   |                            |                            | III | 6.1         | IB8, IP3, T1, TP33                               | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                |       |
|          | Phenylmercuric hydroxide .....  | 6.1                        | UN1894                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33                          | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                |       |
|          | Phenylmercuric nitrate .....  | 6.1                        | UN1895                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33                          | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                |       |
|          | Phenyltrichlorosilane .....   | 8                          | UN1804                     | II  | 8           | A7, B6, IB2, N34, T7, TP2                        | None                  | 202       | 242  | Forbidden                                       | 30 L                  | C                | 40    |
|          | Phosgene .....  | 2.3                        | UN1076                     |     | 2.3, 8      | 1, B7, B46                                       | None                  | 192       | 314  | Forbidden                                       | Forbidden             | D                | 40    |
|          | 9-Phosphabicyclononanes or Cyclooctadiene phosphines.                             | 4.2                        | UN2940                     | II  | 4.2         | A19, IB6, IP2, T3, TP33                          | None                  | 212       | 241  | 15 kg   | 50 kg                 | A                |       |
|          | Phosphine .....   | 2.3                        | UN2199                     |     | 2.3, 2.1.   | 1  | None                  | 192       | 245  | Forbidden                                       | Forbidden             | D                | 40    |
|          | Phosphoric acid solution .....  | 8                          | UN1805                     | III | 8           | A7, IB3, N34, T4, TP1                            | 154                   | 203       | 241  | 5 L   | 60 L                  | A                |       |
|          | Phosphoric acid, solid .....  | 8                          | UN3453                     | III | 8           | IB8, IP3, T1, TP33                               | 154                   | 213       | 240  | 25 kg   | 100 kg                | A                |       |
|          | Phosphoric acid triethyleneimine, see Tris-(1-aziridyl)phosphine oxide, solution. |                            |                            |     |             |  |                       |           |      |   |                       |                  |       |
|          | Phosphoric anhydride, see Phosphorus pentoxide.                                   |                            |                            |     |             |  |                       |           |      |   |                       |                  |       |
|          | Phosphorous acid .....  | 8                          | UN2834                     | III | 8           | IB8, IP3, T1, TP33                               | 154                   | 213       | 240  | 25 kg   | 100 kg                | A                | 48    |

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|   |     |        |     |           |   |      |           |           |           |           |   |                      |
|---|-----|--------|-----|-----------|---|------|-----------|-----------|-----------|-----------|---|----------------------|
| Phosphorus, amorphous .....                                     | 4.1 | UN1338 | III | 4.1       | A1, A19, B1, B9, B26, IB8, IP3, T1, TP33                        | None | 213       | 243       | 25 kg     | 100 kg    | A | 74                   |
| <i>Phosphorus bromide, see Phosphorus tribromide.</i>           |     |        |     |           |   |      |           |           |           |           |   |                      |
| <i>Phosphorus chloride, see Phosphorus trichloride.</i>         |     |        |     |           |   |      |           |           |           |           |   |                      |
| Phosphorus heptasulfide, free from yellow or white phosphorus.  | 4.1 | UN1339 | II  | 4.1       | A20, IB4, N34, T3, TP33   | None | 212       | 240       | 15 kg     | 50 kg     | B | 74                   |
| Phosphorus oxybromide .....                                     | 8   | UN1939 | II  | 8         | B8, IB8, IP2, IP4, N41, N43, T3, TP33                           | None | 212       | 240       | Forbidden | 50 kg     | C | 12, 40               |
| Phosphorus oxybromide, molten                                   | 8   | UN2576 | II  | 8         | B2, B8, IB1, N41, N43, T7, TP3, TP13                            | None | 202       | 242       | Forbidden | Forbidden | C | 40                   |
| + Phosphorus oxychloride .....                                  | 8   | UN1810 | II  | 8, 6.1    | 2, B9, B14, B32, B74, B77, N34, T20, TP2, TP38, TP45            | None | 227       | 244       | Forbidden | Forbidden | C | 40                   |
| Phosphorus pentabromide .....                                   | 8   | UN2691 | II  | 8         | A7, IB8, IP2, IP4, N34, T3, TP33                                | 154  | 212       | 240       | Forbidden | 50 kg     | B | 12, 40, 53, 55       |
| Phosphorus pentachloride .....                                  | 8   | UN1806 | II  | 8         | A7, IB8, IP2, IP4, N34, T3, TP33                                | None | 212       | 240       | Forbidden | 50 kg     | C | 40, 44, 89, 100, 141 |
| Phosphorus Pentafluoride .....                                  | 2.3 | UN2198 |     | 2.3, 8    | 2, B9, B14  | None | 302, 304. | 314, 315. | Forbidden | Forbidden | D | 40                   |
| Phosphorus pentasulfide, free from yellow or white phosphorus.  | 4.3 | UN1340 | II  | 4.3, 4.1. | A20, B59, IB4, T3, TP33   | 151  | 212       | 242       | 15 kg     | 50 kg     | B | 74                   |
| Phosphorus pentoxide .....                                      | 8   | UN1807 | II  | 8         | A7, IB8, IP2, IP4, N34, T3, TP33                                | 154  | 212       | 240       | 15 kg     | 50 kg     | A |                      |
| Phosphorus sesquisulfide, free from yellow or white phosphorus. | 4.1 | UN1341 | II  | 4.1       | A20, IB4, N34, T3, TP33   | None | 212       | 240       | 15 kg     | 50 kg     | B | 74                   |
| Phosphorus tribromide .....                                     | 8   | UN1808 | II  | 8         | A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2                     | None | 202       | 242       | Forbidden | 30 L      | C | 40                   |
| Phosphorus trichloride .....                                    | 6.1 | UN1809 | I   | 6.1, 8    | 2, B9, B14, B15, B32, B74, B77, N34, T20, TP2, TP13, TP38, TP45 | None | 227       | 244       | Forbidden | Forbidden | C | 40                   |
| Phosphorus trioxide .....                                       | 8   | UN2578 | III | 8         | IB8, IP3, T1, TP33  | 154  | 213       | 240       | 25 kg     | 100 kg    | A | 12                   |
| Phosphorus trisulfide, free from yellow or white phosphorus.    | 4.1 | UN1343 | II  | 4.1       | A20, IB4, N34, T3, TP33   | None | 212       | 240       | 15 kg     | 50 kg     | B | 74                   |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)  | (8)                   |           |           | (9)   |                       | (10)             |                      |
|----------|---|----------------------------|----------------------------|-----|-------------|-----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|----------------------|
|          |   |                            |                            |     |             |                                   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                      |
|          |   |                            |                            |     |             |                                   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other                |
|          | Phosphorus, white dry or Phos- phorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus, yellow, in solution. | 4.2                        | UN1381                     | I   | 4.2, 6.1.   | B9, B26, N34, T9, TP3, TP31       | None ....             | 188 ..... | 243 ..... | Forbidden                                       | Forbidden             | E                | .....                |
|          | Phosphorus white, molten .....  | 4.2                        | UN2447                     | I   | 4.2, 6.1.   | B9, B26, N34, T21, TP3, TP7, TP26 | None ....             | 188 ..... | 243 ..... | Forbidden                                       | Forbidden             | D                | .....                |
|          | <i>Phosphorus (white or red) and a chlorate, mixtures of.</i>   | Forbidden                  |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | <i>Phosphoryl chloride, see Phos- phorus oxychloride.</i>   |                            |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | Phthalic anhydride with more than .05 percent maleic anhy- dride.   | 8                          | UN2214                     | III | 8 .....     | IB8, IP3, T1, TP33                | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | .....                |
|          | Picolines .....   | 3                          | UN2313                     | III | 3 .....     | B1, IB3, T4, TP1                  | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | 40                   |
|          | Picric acid, see Trinitrophenol, etc.   |                            |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | Picrite, see Nitroguanidine, etc ..   |                            |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | Picryl chloride, see Trinitrochlorobenzene.   |                            |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | Pine oil .....  | 3                          | UN1272                     | III | 3 .....     | B1, IB3, T2, TP1                  | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....                |
|          | alpha-Pinene .....  | 3                          | UN2368                     | III | 3 .....     | B1, IB3, T2, TP1                  | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....                |
|          | Piperazine .....  | 8                          | UN2579                     | III | 8 .....     | IB8, IP3, T1, TP33                | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | 12, 52               |
|          | Piperidine .....  | 8                          | UN2401                     | I   | 8, 3 ....   | A10, T10, TP2                     | None ....             | 201 ..... | 243 ..... | 0.5 L   | 2.5 L                 | B                | 52                   |
|          | <i>Pivaloyl chloride, see Trimethylacetyl chloride.</i>   |                            |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor.  | 9                          | UN3314                     | III | 9 .....     | 32, IB8, IP3, IP7                 | 155 .....             | 221 ..... | 221 ..... | 100 kg  | 200 kg                | E                | 19, 21, 25, 87, 144. |
|          | <i>Plastic solvent, n.o.s., see Flam- mable liquids, n.o.s..</i>  |                            |                            |     | .....       |                                   | .....                 | .....     | .....     | .....   | .....                 |                  | .....                |
|          | Plastics, nitrocellulose-based, self-heating, n.o.s..   | 4.2                        | UN2006                     | III | 4.2 .....   |                                   | None ....             | 213 ..... | None .... | Forbidden                                       | Forbidden             | C                | .....                |

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|---|-----------|--------|-------|-----|-------|---|------|-------|-----|-------|------|-------|-----------|--------|---|-------------------------|
| Poisonous gases, n.o.s., see Compressed or liquefied gases, flammable or toxic, n.o.s..           | .....     |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Polyalkylamines, n.o.s., see Amines, etc.   | .....     |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Polyamines, flammable, corrosive, n.o.s. see Amines, flammable, corrosive, n.o.s.                 |           |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Polyamines, liquid, corrosive, n.o.s. see Amines, liquid, corrosive, n.o.s.                       |           |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Polyamines, liquid, corrosive, flammable, n.o.s. see Amines, liquid, corrosive, flammable, n.o.s. |           |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Polychlorinated biphenyls, liquid   | 9         | UN2315 | II    | 9   | ..... | 9, 81, 140, IB3, T4, TP1                            | 155  | ..... | 202 | ..... | 241  | ..... | 100 L     | 220 L  | A | 95                      |
| Polychlorinated biphenyls, solid  | 9         | UN3432 | II    | 9   | ..... | 9, 81, 140, IB8, T3, TP33                           | 155  | ..... | 212 | ..... | 240  | ..... | 100 kg    | 200 kg | A | 95                      |
| Polyester resin kit   | 3         | UN3269 | ..... | 3   | ..... | 40, 149   | 152  | ..... | 225 | ..... | None | ..... | 5 kg      | 5 kg   | B | .....                   |
| Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls liquid.                           | 9         | UN3151 | II    | 9   | ..... | IB2   | 155  | ..... | 204 | ..... | 241  | ..... | 100 L     | 220 L  | A | 95                      |
| Polyhalogenated biphenyls, solid or Polyhalogenated terphenyls, solid.                            | 9         | UN3152 | II    | 9   | ..... | IB8, IP2, IP4, T3, TP33                             | 155  | ..... | 204 | ..... | 241  | ..... | 100 kg    | 200 kg | A | 95                      |
| Polymeric beads expandable, evolving flammable vapor.   | 9         | UN2211 | III   | 9   | ..... | 32, IB8, IP3, IP7, T1, TP33                         | 155  | ..... | 221 | ..... | 221  | ..... | 100 kg    | 200 kg | E | 19, 21, 25, 87, 144, 52 |
| Potassium   | 4.3       | UN2257 | I     | 4.3 | ..... | A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7, TP33 | None | ..... | 211 | ..... | 244  | ..... | Forbidden | 15 kg  | D | 52                      |
| Potassium arsenate  | 6.1       | UN1677 | II    | 6.1 | ..... | IB8, IP2, IP4, T3, TP33                             | 153  | ..... | 212 | ..... | 242  | ..... | 25 kg     | 100 kg | A | .....                   |
| Potassium arsenite  | 6.1       | UN1678 | II    | 6.1 | ..... | IB8, IP2, IP4, T3, TP33                             | 153  | ..... | 212 | ..... | 242  | ..... | 25 kg     | 100 kg | A | .....                   |
| Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s..                          | .....     |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Potassium borohydride   | 4.3       | UN1870 | I     | 4.3 | ..... | A19, N40  | None | ..... | 211 | ..... | 242  | ..... | Forbidden | 15 kg  | E | 52                      |
| Potassium bromate   | 5.1       | UN1484 | II    | 5.1 | ..... | IB8, IP4, T3, TP33                                  | 152  | ..... | 212 | ..... | 242  | ..... | 5 kg      | 25 kg  | A | 56, 58                  |
| Potassium carbonyl  | Forbidden |        |       |     |       |   |      |       |     |       |      |       |           |        |   |                         |
| Potassium chlorate  | 5.1       | UN1485 | II    | 5.1 | ..... | A9, IB8, IP4, N34, T3, TP33                         | 152  | ..... | 212 | ..... | 242  | ..... | 5 kg      | 25 kg  | A | 56, 58                  |
| Potassium chlorate, aqueous solution.   | 5.1       | UN2427 | II    | 5.1 | ..... | A2, IB2, T4, TP1                                    | 152  | ..... | 202 | ..... | 241  | ..... | 1 L       | 5 L    | B | 56, 58, 133             |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)              | (8)                   |           |      | (9)   |                       | (10)             |                 |
|----------|---|----------------------------|----------------------------|-----|-------------|---|-----------------------|-----------|------|---|-----------------------|------------------|-----------------|
|          |   |                            |                            |     |             |   | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                 |
|          |   |                            |                            |     |             |   | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other           |
|          | .....   | .....                      | .....                      | III | 5.1         | A2, IB2, T4, TP1                              | 152                   | 203       | 241  | 2.5 L   | 30 L                  | B                | 56, 58, 69, 133 |
|          | <i>Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C.</i>  |                            |                            |     |             |   |                       |           |      |   |                       |                  |                 |
|          | Potassium cuprocyanide  | 6.1                        | UN1679                     | II  | 6.1         | IB8, IP2, IP4, T3, TP33                       | 153                   | 212       | 242  | 25 kg   | 100 kg                | A                | 52              |
|          | Potassium cyanide, solid  | 6.1                        | UN1680                     | I   | 6.1         | B69, B77, IB7, IP1, N74, N75, T6, TP33        | None                  | 211       | 242  | 5 kg  | 50 kg                 | B                | 52              |
|          | Potassium cyanide solution  | 6.1                        | UN3413                     | I   | 6.1         | B69, B77, N74, N75, T14, TP2, TP13            | None                  | 201       | 243  | 1 L   | 30 L                  | B                | 52              |
|          | .....   | .....                      | .....                      | II  | 6.1         | B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27 | 153                   | 202       | 243  | 5 L   | 60 L                  | B                | 52              |
|          | .....   | .....                      | .....                      | III | 6.1         | B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28  | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | 52              |
|          | <i>Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc.</i> |                            |                            |     |             |   |                       |           |      |   |                       |                  |                 |
|          | Potassium dithionite or Potas- sium hydrosulfite.   | 4.2                        | UN1929                     | II  | 4.2         | A8, A19, A20, IB6, IP2, T3, TP33              | None                  | 212       | 241  | 15 kg   | 50 kg                 | E                | 13              |
|          | Potassium fluoride, solid   | 6.1                        | UN1812                     | III | 6.1         | IB8, IP3, T1, TP33                            | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                | 52              |
|          | Potassium fluoride solution   | 6.1                        | UN3422                     | III | 6.1         | IB3, T4, TP1                                  | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | 52              |
|          | Potassium fluoroacetate   | 6.1                        | UN2628                     | I   | 6.1         | IB7, IP1, T6, TP33                            | None                  | 211       | 242  | 5 kg  | 50 kg                 | E                | .....           |
|          | Potassium fluorosilicate  | 6.1                        | UN2655                     | III | 6.1         | IB8, IP3, T1, TP33                            | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                | 52              |
|          | <i>Potassium hydrate, see Potas- sium hydroxide, solid.</i>   |                            |                            |     |             |   |                       |           |      |   |                       |                  |                 |
|          | <i>Potassium hydrogen fluoride, see Potassium hydrogen difluoride.</i>  |                            |                            |     |             |   |                       |           |      |   |                       |                  |                 |

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|---|-----|--------|-----|-----------|--|------|-----|------|-----------|--------|---|----------------|--|
| <i>Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.</i> |     |        |     |           |  |      |     |      |           |        |   |                |  |
| Potassium hydrogen sulfate  | 8   | UN2509 | II  | 8         | A7, IB8, IP2, IP4, N34, T3, TP33       | 154  | 212 | 240  | 15 kg     | 50 kg  | A |                |  |
| Potassium hydrogendifluoride solid.                                       | 8   | UN1811 | II  | 8, 6.1    | IB8, IP2, IP4, N3, N34, T3, TP33       | 154  | 212 | 240  | 15 kg     | 50 kg  | A | 25, 40, 52     |  |
| Potassium hydrogendifluoride solution.                                    | 8   | UN3421 | II  | 8, 6.1    | IB2, N3, N34, T7, TP2                  | 154  | 202 | 243  | 1 L       | 30 L   | A | 25, 40, 52     |  |
|   |     |        | III | 8, 6.1    | IB3, N3, N34, T4, TP1                  | 154  | 203 | 241  | 5 L       | 60 L   | A | 40, 52         |  |
| Potassium hydrosulfite, <i>see</i> Potassium dithionite.                  |     |        |     |           |  |      |     |      |           |        |   |                |  |
| <i>Potassium hydroxide, liquid, see Potassium hydroxide solution.</i>     |     |        |     |           |  |      |     |      |           |        |   |                |  |
| Potassium hydroxide, solid  | 8   | UN1813 | II  | 8         | IB8, IP2, IP4, T3, TP33                | 154  | 212 | 240  | 15 kg     | 50 kg  | A | 52.            |  |
| Potassium hydroxide, solution   | 8   | UN1814 | II  | 8         | B2, IB2, T7, TP2                       | 154  | 202 | 242  | 1 L       | 30 L   | A | 52.            |  |
|   |     |        | III | 8         | IB3, T4, TP1                           | 154  | 203 | 241  | 5 L       | 60 L   | A | 52.            |  |
| <i>Potassium hypochlorite, solution, see Hypochlorite solutions, etc.</i> |     |        |     |           |  |      |     |      |           |        |   |                |  |
| Potassium, metal alloys, liquid   | 4.3 | UN1420 | I   | 4.3       | A7, A19, A20, B27                      | None | 201 | 244  | Forbidden | 1 L    | E | 40, 52         |  |
| Potassium, metal alloys, solid  | 4.3 | UN3403 | I   | 4.3       | A19, A20, B27, IB4, IP1, T9, TP7, TP33 | None | 211 | 244  | Forbidden | 15 kg  | D |                |  |
| Potassium metavanadate  | 6.1 | UN2864 | II  | 6.1       | IB8, IP2, IP4, T3, TP33                | 153  | 212 | 242  | 25 kg     | 100 kg | A |                |  |
| Potassium monoxide  | 8   | UN2033 | II  | 8         | IB8, IP2, IP4, T3, TP33                | 154  | 212 | 240  | 15 kg     | 50 kg  | A | 29, 52.        |  |
| Potassium nitrate   | 5.1 | UN1486 | III | 5.1       | A1, A29, IB8, IP3, T1, TP33            | 152  | 213 | 240  | 25 kg     | 100 kg | A |                |  |
| Potassium nitrate and sodium nitrite mixtures.                            | 5.1 | UN1487 | II  | 5.1       | B78, IB8, IP4, T3, TP33                | 152  | 212 | 240  | 5 kg      | 25 kg  | A | 56, 58         |  |
| Potassium nitrite   | 5.1 | UN1488 | II  | 5.1       | IB8, IP4, T3, TP33                     | 152  | 212 | 242  | 5 kg      | 25 kg  | A | 56, 58         |  |
| Potassium perchlorate   | 5.1 | UN1489 | II  | 5.1       | IB6, IP2, T3, TP33                     | 152  | 212 | 242  | 5 kg      | 25 kg  | A | 56, 58         |  |
| Potassium permanganate  | 5.1 | UN1490 | II  | 5.1       | IB8, IP4, T3, TP33                     | 152  | 212 | 240  | 5 kg      | 25 kg  | D | 56, 58, 138    |  |
| Potassium peroxide  | 5.1 | UN1491 | I   | 5.1       | A20, IB6, IP1, N34                     | None | 211 | None | Forbidden | 15 kg  | B | 13, 52, 66, 75 |  |
| Potassium persulfate  | 5.1 | UN1492 | III | 5.1       | A1, A29, IB8, IP3, T1, TP33            | 152  | 213 | 240  | 25 kg     | 100 kg | A | 56, 58         |  |
| Potassium phosphide   | 4.3 | UN2012 | I   | 4.3, 6.1. | A19, N40                               | None | 211 | None | Forbidden | 15 kg  | E | 40, 52, 85     |  |
| <i>Potassium selenate, see Selenates or Selenites.</i>                    |     |        |     |           |  |      |     |      |           |        |   |                |  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provi- sions (§ 172.102)           | (8)                   |           |      | (9)   |                       | (10)             |                |
|----------|---|----------------------------|----------------------------|----|-------------|--|-----------------------|-----------|------|---|-----------------------|------------------|----------------|
|          |   |                            |                            |    |             |  | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                |
|          |   |                            |                            |    |             |  | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other          |
|          | <i>Potassium selenite, see Selenates or Selenites.</i>  |                            |                            |    |             |  |                       |           |      |   |                       |                  |                |
|          | Potassium sodium alloys, liquid   | 4.3                        | UN1422                     | I  | 4.3         | A7, A19, B27, N34, N40, T9, TP3, TP7, TP31 | None                  | 201       | 244  | Forbidden                                       | 1 L                   | E                | 40, 52         |
|          | Potassium sodium alloys, solid ..   | 4.3                        | UN3404                     | I  | 4.3         | A19, B27, N34, N40, T9, TP7, TP33          | None                  | 211       | 244  | Forbidden                                       | 15 kg                 | D                | 52             |
|          | Potassium sulfide, anhydrous or Potassium sulfide with less than 30 percent water of crys- tallization. | 4.2                        | UN1382                     | II | 4.2         | A19, A20, B16, IB6, IP2, N34, T3, TP33     | None                  | 212       | 241  | 15 kg   | 50 kg                 | A                | 52             |
|          | Potassium sulfide, hydrated with not less than 30 percent water of crystallization.                     | 8                          | UN1847                     | II | 8           | IB8, IP2, IP4, T3, TP33                    | 154                   | 212       | 240  | 15 kg   | 50 kg                 | A                | 52             |
|          | Potassium superoxide .....  | 5.1                        | UN2466                     | I  | 5.1         | A20, IB6, IP1                              | None                  | 211       | None | Forbidden                                       | 15 kg                 | B                | 13, 52, 66, 75 |
|          | Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass.              | 1.1C                       | UN0433                     | II | 1.1C        |  | None                  | 62        | None | Forbidden                                       | Forbidden             | 10               |                |
|          | Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass.               | 1.3C                       | UN0159                     | II | 1.3C        |  | None                  | 62        | None | Forbidden                                       | Forbidden             | 10               |                |
|          | Powder paste, see Powder cake, etc.   |                            |                            |    |             |  |                       |           |      |   |                       |                  |                |
|          | Powder, smokeless .....   | 1.1C                       | UN0160                     | II | 1.1C        |  | None                  | 62        | None | Forbidden                                       | Forbidden             |                  | 26E            |
|          | Powder, smokeless .....   | 1.3C                       | UN0161                     | II | 1.3C        |  | None                  | 62        | None | Forbidden                                       | Forbidden             |                  | 26E            |
|          | Power device, explosive, see Cartridges, power device.  |                            |                            |    |             |  |                       |           |      |   |                       |                  |                |
|          | Primers, cap type .....   | 1.4S                       | UN0044                     | II | None        |  | None                  | 62        | None | 25 kg   | 100 kg                | 05               |                |
|          | Primers, cap type .....   | 1.1B                       | UN0377                     | II | 1.1B        |  | None                  | 62        | None | Forbidden                                       | Forbidden             | 11               |                |
|          | Primers, cap type .....   | 1.4B                       | UN0378                     | II | 1.4B        |  | None                  | 62        | None | Forbidden                                       | 75 kg                 | 06               |                |
|          | Primers, small arms, see Primers, cap type.   |                            |                            |    |             |  |                       |           |      |   |                       |                  |                |
|          | Primers, tubular .....  | 1.3G                       | UN0319                     | II | 1.3G        |  | None                  | 62        | None | Forbidden                                       | Forbidden             | 07               |                |
|          | Primers, tubular .....  | 1.4G                       | UN0320                     | II | 1.4G        |  | None                  | 62        | None | Forbidden                                       | 75 kg                 | 06               |                |
|          | Primers, tubular .....  | 1.4S                       | UN0376                     | II | None        |  | None                  | 62        | None | 25 kg   | 100 kg                | 05               |                |

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| Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable. | 3    | UN1210 | I   | 3    | T11, TP1, TP8          | 150  | 173  | 243       | 1 L       | 30 L      | E  |         |
|   |      |        | II  | 3    | 149, IB2, T4, TP1, TP8 | 150  | 173  | 242       | 5 L       | 60 L      | B  |         |
|   |      |        | III | 3    | B1, IB3, T2, TP1       | 150  | 173  | 242       | 60 L      | 220 L     | A  |         |
| <i>Projectiles, illuminating, see Ammunition, illuminating, etc.</i>  |      |        |     |      |                        |      |      |           |           |           |    |         |
| Projectiles, inert with tracer  | 1.4S | UN0345 | II  | 1.4S |                        | 62   | None | 25 kg     | 100 kg    | 01        |    |         |
| Projectiles, inert, with tracer   | 1.3G | UN0424 | II  | 1.3G |                        | 62   | None | Forbidden | Forbidden | 03        |    |         |
| Projectiles, inert, with tracer   | 1.4G | UN0425 | II  | 1.4G |                        | 62   | None | Forbidden | 75 kg     | 02        |    |         |
| Projectiles, with burster or expelling charge.  | 1.2D | UN0346 | II  | 1.2D |                        | 62   | None | Forbidden | Forbidden | 03        |    |         |
| Projectiles, with burster or expelling charge.  | 1.4D | UN0347 | II  | 1.4D |                        | 62   | None | Forbidden | 75 kg     | 02        |    |         |
| Projectiles, with burster or expelling charge.  | 1.2F | UN0426 | II  | 1.2F |                        | 62   | None | Forbidden | Forbidden | 08        |    |         |
| Projectiles, with burster or expelling charge.  | 1.4F | UN0427 | II  | 1.4F |                        | 62   | None | Forbidden | Forbidden | 08        |    |         |
| Projectiles, with burster or expelling charge.  | 1.2G | UN0434 | II  | 1.2G |                        | 62   | None | Forbidden | Forbidden | 03        |    |         |
| Projectiles, with burster or expelling charge.  | 1.4G | UN0435 | II  | 1.4G |                        | 62   | None | Forbidden | 75 kg     | 02        |    |         |
| Projectiles, with bursting charge   | 1.1F | UN0167 | II  | 1.1F |                        | 62   | None | Forbidden | Forbidden | 08        |    |         |
| Projectiles, with bursting charge   | 1.1D | UN0168 | II  | 1.1D |                        | 62   | None | Forbidden | Forbidden | 03        |    |         |
| Projectiles, with bursting charge   | 1.2D | UN0169 | II  | 1.2D |                        | 62   | None | Forbidden | Forbidden | 03        |    |         |
| Projectiles, with bursting charge   | 1.2F | UN0324 | II  | 1.2F |                        | 62   | None | Forbidden | Forbidden | 08        |    |         |
| Projectiles, with bursting charge   | 1.4D | UN0344 | II  | 1.4D |                        | 62   | None | Forbidden | 75 kg     | 02        |    |         |
| Propadiene, stabilized  | 2.1  | UN2200 |     | 2.1  |                        | None | 304  | 314, 315. | Forbidden | 150 kg    | B  | 40      |
| <i>Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized.</i>                    |      |        |     |      |                        |      |      |           |           |           |    |         |
| Propane see also Petroleum gases, liquefied.  | 2.1  | UN1978 |     | 2.1  | 19, T50                | 306  | 304  | 314, 315. | Forbidden | 150 kg    | E  | 40      |
| Propanethiols   | 3    | UN2402 | II  | 3    | A6, IB2, T4, TP1, TP13 | 150  | 202  | 242       | 5 L       | 60 L      | E  | 95, 102 |
| n-Propanol or Propyl alcohol, normal.   | 3    | UN1274 | II  | 3    | B1, IB2, T4, TP1       | 150  | 202  | 242       | 5 L       | 60 L      | B  |         |
|   |      |        | III | 3    | B1, IB3, T2, TP1       | 150  | 203  | 242       | 60 L      | 220 L     | A  |         |
| Propellant, liquid  | 1.3C | UN0495 | II  | 1.3C | 37                     | None | 62   | None      | Forbidden | Forbidden | 10 |         |
| Propellant, liquid  | 1.1C | UN0497 | II  | 1.1C | 37                     | None | 62   | None      | Forbidden | Forbidden | 10 |         |
| Propellant, solid   | 1.1C | UN0498 | II  | 1.1C |                        | None | 62   | None      | Forbidden | Forbidden |    | 26E     |
| Propellant, solid   | 1.3C | UN0499 | II  | 1.3C |                        | None | 62   | None      | Forbidden | Forbidden |    | 26E     |
| Propellant, solid   | 1.4C | UN0501 |     | 1.4C |                        | None | 62   | None      | Forbidden | Forbidden | A  | 24E     |
| Propionaldehyde   | 3    | UN1275 | II  | 3    | IB2, T7, TP1           | 150  | 202  | 242       | 5 L       | 60 L      | E  |         |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                  | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                           | (8)                   |           |           | (9)   |                       | (10)             |                 |
|----------|--|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|-----------|---|-----------------------|------------------|-----------------|
|          |  |                            |                            |     |             |  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                 |
|          |  |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other           |
|          | Propionic acid <i>with not less than 90% acid by mass.</i>                   | 8                          | UN3463                     | II  | 8, 3        | IB2, T7, TP2   | 154                   | 202       | 243       | 1 L   | 30 L                  | A.               |                 |
|          | Propionic acid <i>with not less than 10% and less than 90% acid by mass.</i> | 8                          | UN1848                     | III | 8           | IB3, T4, TP1   | 154                   | 203       | 241       | 5 L   | 60 L                  | A.               |                 |
|          | Propionic anhydride  | 8                          | UN2496                     | III | 8           | IB3, T4, TP1   | 154                   | 203       | 241       | 5 L   | 60 L                  | A                |                 |
|          | Propionitrile  | 3                          | UN2404                     | II  | 3, 6.1      | IB2, T7, TP1, TP13   | None                  | 202       | 243       | Forbidden                                       | 60 L                  | E                | 40              |
|          | Propionyl chloride   | 3                          | UN1815                     | II  | 3, 8        | IB1, T7, TP1   | 150                   | 202       | 243       | 1 L   | 5 L                   | B                | 40              |
|          | n-Propyl acetate   | 3                          | UN1276                     | II  | 3           | IB2, T4, TP1   | 150                   | 202       | 242       | 5 L   | 60 L                  | B                |                 |
|          | Propyl alcohol, <i>see</i> Propanol  |                            |                            |     |             |  |                       |           |           |   |                       |                  |                 |
|          | n-Propyl benzene   | 3                          | UN2364                     | III | 3           | B1, IB3, T2, TP1   | 150                   | 203       | 242       | 60 L  | 220 L                 | A                |                 |
|          | n-Propyl chloroformate   | 6.1                        | UN2740                     | I   | 6.1, 3, 8.  | 2, B9, B14, B32, B74, B77, N34, T20, TP2, TP13, TP38, TP44 | None                  | 227       | 244       | Forbidden                                       | Forbidden             | B                | 21, 40, 100     |
|          | <i>Propyl chloride see</i> 1-Chloropropane.                                  |                            |                            |     |             |  |                       |           |           |   |                       |                  |                 |
|          | Propyl formates  | 3                          | UN1281                     | II  | 3           | IB2, T4, TP1   | 150                   | 202       | 242       | 5 L   | 60 L                  | B                |                 |
|          | n-Propyl isocyanate  | 6.1                        | UN2482                     | I   | 6.1, 3      | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44           | None                  | 226       | 244       | Forbidden                                       | Forbidden             | D                | 40              |
|          | <i>Propyl mercaptan, see</i> Propanethiols.                                  |                            |                            |     |             |  |                       |           |           |   |                       |                  |                 |
|          | n-Propyl nitrate   | 3                          | UN1865                     | II  | 3           | IB9  | 150                   | 202       | None      | 5 L   | 60 L                  | D                | 44, 89, 90, 100 |
|          | Propylamine  | 3                          | UN1277                     | II  | 3, 8        | A7, IB2, N34, T7, TP1                                      | 150                   | 202       | 243       | 1 L   | 5 L                   | E                | 40              |
|          | Propylene <i>see also</i> Petroleum gases, liquefied.                        | 2.1                        | UN1077                     |     | 2.1         | 19, T50  | 306                   | 304       | 314, 315. | Forbidden                                       | 150 kg                | E                | 40              |
|          | Propylene chlorohydrin   | 6.1                        | UN2611                     | II  | 6.1, 3      | IB2, T7, TP2, TP13   | 153                   | 202       | 243       | 5 L   | 60 L                  | A                | 12, 40, 48      |
|          | Propylene oxide  | 3                          | UN1280                     | I   | 3           | A3, N34, T11, TP2, TP7                                     | None                  | 201       | 243       | 1 L   | 30 L                  | E                | 40              |
|          | Propylene tetramer   | 3                          | UN2850                     | III | 3           | B1, IB3, T2, TP1   | 150                   | 203       | 242       | 60 L  | 220 L                 | A                |                 |
|          | 1,2-Propylenediamine   | 8                          | UN2258                     | II  | 8, 3        | A3, A6, IB2, N34, T7, TP2                                  | None                  | 202       | 243       | 1 L   | 30 L                  | A                | 40              |
|          | Propyleneimine, stabilized   | 3                          | UN1921                     | I   | 3, 6.1      | A3, N34, T14, TP2, TP13                                    | None                  | 201       | 243       | 1 L   | 30 L                  | B                | 40              |

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|---|-----------|--------|-----|--------|-------------------------------------|------|-----|-----|-----------|-----------|---|---------|
| Propyltrichlorosilane .....   | 8         | UN1816 | II  | 8, 3   | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 243 | Forbidden | 30 L      | C | 40      |
| <i>Prussic acid, see Hydrogen cyanide.</i>  |           |        |     |        |                                     |      |     |     |           |           |   |         |
| Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C.     | 3         | UN3350 | I   | 3, 6.1 | T14, TP2, TP13, TP27                | None | 201 | 243 | Forbidden | 30 L      | B | 40      |
| Pyrethroid pesticide, liquid toxic  | 6.1       | UN3352 | II  | 3, 6.1 | IB2, T11, TP2, TP13, TP27           | 150  | 202 | 243 | 1 L       | 60 L      | B | 40      |
|   |           |        | I   | 6.1    | T14, TP2, TP13, TP27                | None | 211 | 242 | 1 L       | 30 L      | A | 40      |
|   |           |        | II  | 6.1    | IB2, T11, TP2, TP27                 | 153  | 212 | 242 | 5 L       | 60 L      | A | 40      |
|   |           |        | III | 6.1    | IB3, T7, TP2, TP28                  | 153  | 213 | 240 | 60 L      | 220 L     | A | 40      |
| Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1       | UN3351 | I   | 6.1, 3 | T14, TP2, TP13, TP27                | None | 201 | 243 | 1 L       | 30 L      | B | 40      |
|   |           |        | II  | 6.1, 3 | IB2, T11, TP2, TP13, TP27           | 153  | 202 | 243 | 5 L       | 60 L      | B | 40      |
|   |           |        | III | 6.1, 3 | IB3, T7, TP2, TP28                  | 153  | 203 | 241 | 60 L      | 220 L     | B | 40      |
| Pyrethroid pesticide, solid, toxic  | 6.1       | UN3349 | I   | 6.1    | IB7, IP1, T6, TP33                  | None | 211 | 242 | 5 kg      | 50 kg     | A | 40      |
|   |           |        | II  | 6.1    | IB8, IP2, IP4, T3, TP33             | 153  | 212 | 242 | 25 kg     | 100 kg    | A | 40      |
|   |           |        | III | 6.1    | IB8, IP3, T1, TP33                  | 153  | 213 | 240 | 100 kg    | 200 kg    | A | 40      |
| Pyridine .....  | 3         | UN1282 | II  | 3      | IB2, T4, TP2                        | None | 202 | 242 | 5 L       | 60 L      | B | 21, 100 |
| <i>Pyridine perchlorate</i> .....   | Forbidden |        |     |        |                                     |      |     |     |           |           |   |         |
| G Pyrophoric liquid, inorganic, n.o.s.  | 4.2       | UN3194 | I   | 4.2    |                                     | None | 181 | 244 | Forbidden | Forbidden | D | 18      |
| G Pyrophoric liquids, organic, n.o.s.   | 4.2       | UN2845 | I   | 4.2    | B11, T22, TP2, TP7                  | None | 181 | 244 | Forbidden | Forbidden | D | 18      |
| G Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s.                               | 4.2       | UN1383 | I   | 4.2    | B11, T21, TP7, TP33                 | None | 187 | 242 | Forbidden | Forbidden | D |         |
| G Pyrophoric solid, inorganic, n.o.s.   | 4.2       | UN3200 | I   | 4.2    | T21, TP7, TP33                      | None | 187 | 242 | Forbidden | Forbidden | D |         |
| G Pyrophoric solids, organic, n.o.s.  | 4.2       | UN2846 | I   | 4.2    |                                     | None | 187 | 242 | Forbidden | Forbidden | D |         |
| Pyrosulfuryl chloride .....   | 8         | UN1817 | II  | 8      | B2, IB2, T8, TP2, TP12              | 154  | 202 | 242 | 1 L       | 30 L      | C | 40      |
| <i>Pyroxylin solution or solvent, see Nitrocellulose.</i>                               |           |        |     |        |                                     |      |     |     |           |           |   |         |
| Pyrrolidine .....   | 3         | UN1922 | II  | 3, 8   | IB2, T7, TP1                        | 150  | 202 | 243 | 1 L       | 5 L       | B | 40, 52  |
| <i>Quebrachitol pentanitrate</i> .....  | Forbidden |        |     |        |                                     |      |     |     |           |           |   |         |
| <i>Quicklime, see Calcium oxide</i> ..  |           |        |     |        |                                     |      |     |     |           |           |   |         |
| Quinoline .....   | 6.1       | UN2656 | III | 6.1    | IB3, T4, TP1                        | 153  | 203 | 241 | 60 L      | 220 L     | A | 12      |
| <i>R 12, see Dichlorodifluoromethane.</i>   |           |        |     |        |                                     |      |     |     |           |           |   |         |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |   |                            |                            |       |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |       |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| R        | 12B1, see Chlorodifluorobromomethane.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 13, see Chlorotrifluoromethane.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 13B1, see Bromotrifluoromethane.  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 14, see Tetrafluoromethane ...  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 21, see Dichlorofluoromethane.  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 22, see Chlorodifluoromethane.  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 114, see Dichlorotetrafluoroethane.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 115, see Chloropentafluoroethane.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 116, see Hexafluoroethane ....  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 124, see Chlorotetrafluoroethane.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 133a, see Chlorotrifluoroethane.  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 152a, see Difluoroethane .....  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 500, see Dichlorodifluoro- methane and difluoroethane, etc.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 502, see Chlorodifluoromethane and chloropentafluoroethane mixture, etc.  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| R        | 503, see Chlorotrifluoromethane and trifluoroethane, etc.   |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
|          | Radioactive material, excepted package-articles manufac- tured from natural uranium or depleted uranium or natural thorium. | 7                          | UN2909                     | ..... | None        |                                  | 422, 426.             | 422, 426. | 422, 426. | .....   | .....                 | A                | ..... |
|          | Radioactive material, excepted package-empty packaging.   | 7                          | UN2908                     | ..... | Empty       |                                  | 422, 428.             | 422, 428. | 422, 428. | .....   | .....                 | A                | ..... |
|          | Radioactive material, excepted package-instruments or arti- cles.   | 7                          | UN2911                     | ..... | None        |                                  | 422, 424.             | 422, 424. | .....     | .....   | .....                 | A                | ..... |

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|--|-----|--------|-------|---------|------------------|----------------|----------------|----------------|-------|-----------|-----------|--------------|-------|
| Radioactive material, excepted package-limited quantity of material.   | 7   | UN2910 | ..... | None    |                  | 421, 422.      | 421, 422.      | 421, 422.      | ..... | .....     | A         | .....        |       |
| Radioactive material, low specific activity (LSA-I) <i>non fissile or fissile-excepted.</i>                  | 7   | UN2912 | ..... | 7       | A56, T5, TP4, W7 | 421, 422, 428. | 427            | 427            | ..... | .....     | A         | 95, 129      |       |
| Radioactive material, low specific activity (LSA-II) <i>non fissile or fissile-excepted.</i>                 | 7   | UN3321 | ..... | 7       | A56, T5, TP4, W7 | 421, 422, 428. | 427            | 427            | ..... | .....     | A         | 95, 129      |       |
| Radioactive material, low specific activity (LSA-III) <i>non fissile or fissile excepted.</i>                | 7   | UN3322 | ..... | 7       | A56, T5, TP4, W7 | 421, 422, 428. | 427            | 427            | ..... | .....     | A         | 95, 129      |       |
| Radioactive material, surface contaminated objects (SCO-I or SCO-II) <i>non fissile or fissile-excepted.</i> | 7   | UN2913 | ..... | 7       | A56              | 421, 422, 428. | 427            | 427            | ..... | .....     | A         | 95           |       |
| Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted.</i>         | 7   | UN2919 | ..... | 7       | A56, 139         | .....          | .....          | .....          | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, transported under special arrangement, fissile.  | 7   | UN3331 | ..... | 7       | A56, 139         | .....          | .....          | .....          | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, Type A package, fissile <i>non-special form.</i>                                       | 7   | UN3327 | ..... | 7       | A56, W7, W8      | 453            | 417            | 417            | ..... | .....     | A         | 95, 105, 131 |       |
| Radioactive material, Type A package <i>non-special form, non fissile or fissile-excepted.</i>               | 7   | UN2915 | ..... | 7       | A56, W7, W8      | None           | 415, 418, 419. | 415, 418, 419. | ..... | .....     | A         | 95, 130      |       |
| Radioactive material, Type A package, special form <i>non fissile or fissile-excepted.</i>                   | 7   | UN3332 | ..... | 7       | A56, W7, W8      | .....          | 415, 476.      | 415, 476.      | ..... | .....     | A         | 95           |       |
| Radioactive material, Type A package, special form, fissile.   | 7   | UN3333 | ..... | 7       | A56, W7, W8      | 453            | 417, 476.      | 417, 476.      | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, Type B(M) package, fissile.  | 7   | UN3329 | ..... | 7       | A56              | 453            | 417            | 417            | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, Type B(M) package <i>non fissile or fissile-excepted.</i>                              | 7   | UN2917 | ..... | 7       | A56              | .....          | 416            | 416            | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, Type B(U) package, fissile.  | 7   | UN3328 | ..... | 7       | A56              | 453            | 417            | 417            | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, Type B(U) package <i>non fissile or fissile-excepted.</i>                              | 7   | UN2916 | ..... | 7       | A56              | .....          | 416            | 416            | ..... | .....     | A         | 95, 105      |       |
| Radioactive material, uranium hexafluoride <i>non fissile or fissile-excepted.</i>                           | 7   | UN2978 | ..... | 7, 8    | .....            | 423            | 420, 427.      | 420, 427.      | ..... | .....     | A         | 95, 132      |       |
| Radioactive material, uranium hexafluoride, fissile.   | 7   | UN2977 | ..... | 7, 8    | .....            | 453            | 417, 420.      | 417, 420.      | ..... | .....     | A         | 95, 132      |       |
| A W Rags, oily   | 4.2 | UN1856 | ..... | III 4.2 | .....            | 151            | 213            | 240            | ..... | Forbidden | Forbidden | A            | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descriptions and proper shipping names  | Hazard class or Division | Identifica-tion Num-bers | PG | Label Codes | Special provi-sions (§ 172.102) | (8)                   |           |           | (9)   |                      | (10)            |       |
|----------|---|--------------------------|--------------------------|----|-------------|---------------------------------|-----------------------|-----------|-----------|---|----------------------|-----------------|-------|
|          |   |                          |                          |    |             |                                 | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                      | Vessel stow-age |       |
|          |   |                          |                          |    |             |                                 | Excep-tions           | Non-bulk  | Bulk      | Passenger aircraft/rail                         | Cargo air-craft only | Loca-tion       | Other |
|          | <i>Railway torpedo, see Signals, railway track, explosive.</i>  |                          |                          |    |             |                                 |                       |           |           |   |                      |                 |       |
|          | <i>RC 318, see Octafluorocyclobutane.</i>   |                          |                          |    |             |                                 |                       |           |           |   |                      |                 |       |
|          | <i>RDX and cyclotetramethylenetetranitramine, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized.</i>  |                          |                          |    |             |                                 |                       |           |           |   |                      |                 |       |
|          | <i>RDX and HMX mixtures, wetted with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass.</i> | 1.1D                     | UN0391                   | II | 1.1D ..     |                                 | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden            | 10              | ..... |
|          | <i>RDX and Octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.</i>   |                          |                          |    |             |                                 |                       |           |           |   |                      |                 |       |
|          | <i>RDX, see Cyclotrimethylene trinitramine, etc.</i>  |                          |                          |    |             |                                 |                       |           |           |   |                      |                 |       |
|          | <i>Receptacles, small, containing gas (gas cartridges) non-flammable, without release device, not refillable and not exceeding 1 L capacity.</i>                          | 2.2                      | UN2037                   |    | 2.2, 5.1.   | A14                             | 306 .....             | 304 ..... | None .... | 1 kg  | 15 kg                | B               | 40    |
|          | <i>Receptacles, small, containing gas (gas cartridges) flammable, without release device, not refillable and not exceeding 1 L capacity.</i>                              | 2.1                      | UN2037                   |    | 2.1 .....   |                                 | 306 .....             | 304 ..... | None .... | 1 kg  | 15 kg                | B               | 40    |
|          | <i>Receptacles, small, containing gas (gas cartridges) non-flammable, without release device, not refillable and not exceeding 1 L capacity.</i>                          | 2.2                      | UN2037                   |    | 2.2 .....   |                                 | 306 .....             | 304 ..... | None .... | 1 kg  | 15 kg                | B               | 40    |
|          | <i>Red phosphorus, see Phosphorus, amorphous.</i>   |                          |                          |    |             |                                 |                       |           |           |   |                      |                 |       |
|          | <i>Refrigerant gas R 404A</i>   | 2.2                      | UN3337                   |    | 2.2 .....   | T50                             | 306 .....             | 304 ..... | 314, 315. | 75 kg   | 150 kg               | A               | ..... |

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| Refrigerant gas R 407A .....  | 2.2   | UN3338 | ..... | 2.2     | ..... | T50                            | 306          | ..... | 304   | ..... | 314,<br>315. | 75 kg     | 150 kg    | A     | .....              |
| Refrigerant gas R 407B .....  | 2.2   | UN3339 | ..... | 2.2     | ..... | T50                            | 306          | ..... | 304   | ..... | 314,<br>315. | 75 kg     | 150 kg    | A     | .....              |
| Refrigerant gas R 407C .....  | 2.2   | UN3340 | ..... | 2.2     | ..... | T50                            | 306          | ..... | 304   | ..... | 314,<br>315. | 75 kg     | 150 kg    | A     | .....              |
| G Refrigerant gases, n.o.s. ....  | 2.2   | UN1078 | ..... | 2.2     | ..... | T50                            | 306          | ..... | 304   | ..... | 314,<br>315. | 75 kg     | 150 kg    | A     | .....              |
| D Refrigerant gases, n.o.s. or Dispersant gases, n.o.s..  | 2.1   | NA1954 | ..... | 2.1     | ..... | T50                            | 306          | ..... | 304   | ..... | 314,<br>315. | Forbidden | 150 kg    | D     | 40                 |
| Refrigerating machines, containing flammable, non-toxic, liquefied gas.                               | 2.1   | UN3358 | ..... | 2.1     | ..... | .....                          | 306,<br>307. | ..... | 306   | ..... | 306          | Forbidden | Forbidden | D     | 40                 |
| Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672).     | 2.2   | UN2857 | ..... | 2.2     | ..... | A53                            | 306,<br>307. | ..... | 306   | ..... | 306,<br>307. | 450 kg    | 450 kg    | A     | .....              |
| Regulated medical waste, n.o.s. or Clinical waste, unspecified, n.o.s. or (BIO) Medical waste, n.o.s. | 6.2   | UN3291 | ..... | II 6.2  | ..... | A13                            | 134          | ..... | 197   | ..... | 197          | No limit  | No limit  | B     | 40.                |
| Release devices, explosive .....  | 1.4S  | UN0173 | ..... | II 1.4S | ..... | .....                          | None         | ..... | 62    | ..... | None         | 25 kg     | 100 kg    | 05    | .....              |
| Resin solution, flammable .....   | 3     | UN1866 | ..... | I 3     | ..... | B52, T11, TP1,<br>TP8, TP28    | 150          | ..... | 201   | ..... | 243          | 1 L       | 30 L      | E     | .....              |
| .....   | ..... | .....  | ..... | II 3    | ..... | 149, B52, IB2,<br>T4, TP1, TP8 | 150          | ..... | 173   | ..... | 242          | 5 L       | 60 L      | B     | .....              |
| .....   | ..... | .....  | ..... | III 3   | ..... | B1, B52, IB3, T2,<br>TP1       | 150          | ..... | 173   | ..... | 242          | 60 L      | 220 L     | A     | .....              |
| Resorcinol .....  | 6.1   | UN2876 | ..... | III 6.1 | ..... | IB8, IP3, T1,<br>TP33          | 153          | ..... | 213   | ..... | 240          | 100 kg    | 200 kg    | A     | .....              |
| Rifle grenade, see Grenades, hand or rifle, etc.  | ..... | .....  | ..... | .....   | ..... | .....                          | .....        | ..... | ..... | ..... | .....        | .....     | .....     | ..... | .....              |
| Rifle powder, see Powder, smokeless (UN 0160).  | ..... | .....  | ..... | .....   | ..... | .....                          | .....        | ..... | ..... | ..... | .....        | .....     | .....     | ..... | .....              |
| Rivets, explosive .....   | 1.4S  | UN0174 | ..... | II 1.4S | ..... | .....                          | None         | ..... | 62    | ..... | None         | 25 kg     | 100 kg    | 05    | .....              |
| Road asphalt or tar liquid, see Tars, liquid, etc.  | ..... | .....  | ..... | .....   | ..... | .....                          | .....        | ..... | ..... | ..... | .....        | .....     | .....     | ..... | .....              |
| Rocket motors .....   | 1.3C  | UN0186 | ..... | II 1.3C | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | 220 kg    | 03    | .....              |
| Rocket motors .....   | 1.1C  | UN0280 | ..... | II 1.1C | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 03    | .....              |
| Rocket motors .....   | 1.2C  | UN0281 | ..... | II 1.2C | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 03    | .....              |
| Rocket motors, liquid fueled .....  | 1.2J  | UN0395 | ..... | II 1.2J | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 04    | 23E                |
| Rocket motors, liquid fueled .....  | 1.3J  | UN0396 | ..... | II 1.3J | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 04    | 23E                |
| Rocket motors with hypergolic liquids with or without an expelling charge.                            | 1.3L  | UN0250 | ..... | II 1.3L | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 08    | 8E,<br>14E,<br>15E |
| Rocket motors with hypergolic liquids with or without an expelling charge.                            | 1.2L  | UN0322 | ..... | II 1.2L | ..... | 109                            | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 08    | 8E,<br>14E,<br>15E |
| Rockets, line-throwing .....  | 1.2G  | UN0238 | ..... | II 1.2G | ..... | .....                          | None         | ..... | 62    | ..... | None         | Forbidden | Forbidden | 07    | .....              |
| Rockets, line-throwing .....  | 1.3G  | UN0240 | ..... | II 1.3G | ..... | .....                          | None         | ..... | 62    | ..... | None         | Forbidden | 75 kg     | 07    | .....              |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102)     | (8)                   |           |           | (9)   |                       | (10)             |         |
|----------|---|----------------------------|----------------------------|-------|-------------|--------------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|---------|
|          |   |                            |                            |       |             |                                      | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |         |
|          |   |                            |                            |       |             |                                      | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other   |
|          | Rockets, line-throwing .....  | 1.4G                       | UN0453                     | II    | 1.4G ..     |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 06               | .....   |
|          | Rockets, liquid fueled <i>with burst- ing charge</i> .....  | 1.1J                       | UN0397                     | II    | 1.1J ...    |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 04               | 23E     |
|          | Rockets, liquid fueled <i>with burst- ing charge</i> .....  | 1.2J                       | UN0398                     | II    | 1.2J ...    |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 04               | 23E     |
|          | Rockets, <i>with bursting charge</i> ...  | 1.1F                       | UN0180                     | II    | 1.1F ...    |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 08               | .....   |
|          | Rockets, <i>with bursting charge</i> ...  | 1.1E                       | UN0181                     | II    | 1.1E ...    |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 03               | .....   |
|          | Rockets, <i>with bursting charge</i> ...  | 1.2E                       | UN0182                     | II    | 1.2E ...    |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 03               | .....   |
|          | Rockets, <i>with bursting charge</i> ...  | 1.2F                       | UN0295                     | II    | 1.2F ...    |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 08               | .....   |
|          | Rockets, <i>with expelling charge</i> ..  | 1.2C                       | UN0436                     | II    | 1.2C ..     |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 03               | .....   |
|          | Rockets, <i>with expelling charge</i> ..  | 1.3C                       | UN0437                     | II    | 1.3C ..     |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 03               | .....   |
|          | Rockets, <i>with expelling charge</i> ..  | 1.4C                       | UN0438                     | II    | 1.4C ..     |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 02               | .....   |
|          | Rockets, <i>with inert head</i> .....   | 1.3C                       | UN0183                     | II    | 1.3C ..     |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 03               | .....   |
|          | Rockets, <i>with inert head</i> .....   | 1.2C                       | UN0502                     | ..... | 1.2C ..     |                                      | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | B                | 1E, 5E  |
|          | Rosin oil .....   | 3                          | UN1286                     | II    | 3 .....     | IB2, T4, TP1                         | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....   |
|          | .....   | .....                      | .....                      | III   | 3 .....     | B1, IB3, T2, TP1                     | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....   |
|          | Rubber solution .....   | 3                          | UN1287                     | II    | 3 .....     | 149, IB2, T4, TP1, TP8               | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | .....   |
|          | .....   | .....                      | .....                      | III   | 3 .....     | B1, IB3, T2, TP1                     | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....   |
|          | Rubber scrap or shoddy, <i>pow- dered or granulated, not ex- ceeding 840 microns and rub- ber contend exceeding 45%</i> ..... | 4.1                        | UN1345                     | II    | 4.1 .....   | IB8, IP2, IP4, T3, TP33              | 151 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                 | A                | .....   |
|          | Rubidium .....  | 4.3                        | UN1423                     | I     | 4.3 .....   | 22, A7, A19, IB4, IP1, N34, N40, N45 | None ....             | 211 ..... | 242 ..... | Forbidden                                       | 15 kg                 | D                | 52      |
|          | Rubidium hydroxide .....  | 8                          | UN2678                     | II    | 8 .....     | IB8, IP2, IP4, T3, TP33              | 154 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                 | A                | 29, 52. |
|          | Rubidium hydroxide solution .....   | 8                          | UN2677                     | II    | 8 .....     | B2, IB2, T7, TP2                     | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                  | A                | 29, 52. |
|          | .....   | .....                      | .....                      | III   | 8 .....     | IB3, T4, TP1                         | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | 29, 52. |
|          | <i>Safety fuse, see Fuse, safety</i> ....   | .....                      | .....                      | ..... | .....       | .....                                | .....                 | .....     | .....     | .....   | .....                 | .....            | .....   |
| G        | Samples, explosive, <i>other than initiating explosives</i> .....   | .....                      | UN0190                     | II    | .....       | 113                                  | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 14               | .....   |
|          | <i>Sand acid, see Fluorosilicic acid</i> .....  | .....                      | .....                      | ..... | .....       | .....                                | .....                 | .....     | .....     | .....   | .....                 | .....            | .....   |

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|-----|---|-----------|--------|-------|--------|---------------------------------------|------|-----|------|-----------|-----------|---|-------|
|     | Seed cake, containing vegetable oil solvent extractions and expelled seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined. | 4.2       | UN1386 | III   | None   | IB8, IP3, IP7, N7                     | None | 213 | 241  | Forbidden | Forbidden | A | 13    |
| I   | Seed cake with more than 1.5 percent oil and not more than 11 percent moisture.   | 4.2       | UN1386 | III   | None   | IB8, IP3, IP7, N7                     | None | 213 | 241  | Forbidden | Forbidden | E | 13    |
| I   | Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture.   | 4.2       | UN2217 | III   | None   | IB8, IP3, IP7, N7                     | None | 213 | 241  | Forbidden | Forbidden | A | 13    |
|     | Selenates or Selenites .....  | 6.1       | UN2630 | I     | 6.1    | IB7, IP1, T6, TP33                    | None | 211 | 242  | 5 kg      | 50 kg     | E | ..... |
|     | Selenic acid .....  | 8         | UN1905 | I     | 8      | IB7, IP1, N34, T6, TP33               | None | 211 | 242  | Forbidden | 25 kg     | A | ..... |
|     | Selenium compound, liquid, n.o.s.   | 6.1       | UN3440 | I     | 6.1    | T14, TP2, TP27                        | None | 201 | 243  | 1L        | 30L       | B | ..... |
|     |   |           |        | II    | 6.1    | IIB2, T11, TP2, TP27                  | 153  | 202 | 243  | 5 L       | 60 L      | B | ..... |
|     |   |           |        | III   | 6.1    | IB3, T7, TP1, TP28                    | 153  | 203 | 241  | 60 L      | 220 L     | A | ..... |
|     | Selenium compound, solid, n.o.s..   | 6.1       | UN3283 | I     | 6.1    | IB7, IP1, T6, TP33                    | None | 211 | 242  | 5 kg      | 50 kg     | B | ..... |
|     |   |           |        | II    | 6.1    | IB8, IP2, IP4, T3, TP33               | 153  | 212 | 242  | 25 kg     | 100 kg    | B | ..... |
|     |   |           |        | III   | 6.1    | IB8, IP3, T1, TP33                    | 153  | 213 | 240  | 100 kg    | 200 kg    | A | ..... |
|     | Selenium disulfide .....  | 6.1       | UN2657 | II    | 6.1    | IB8, IP2, IP4, T3, TP33               | 153  | 212 | 242  | 25 kg     | 100 kg    | A | ..... |
|     | Selenium hexafluoride .....   | 2.3       | UN2194 | ..... | 2.3, 8 | 1                                     | None | 302 | None | Forbidden | Forbidden | D | 40    |
|     | Selenium nitride .....  | Forbidden |        |       |        |                                       |      |     |      |           |           |   |       |
|     | Selenium oxychloride .....  | 8         | UN2879 | I     | 8, 6.1 | A3, A6, A7, N34, T10, TP2, TP12, TP13 | None | 201 | 243  | 0.5 L     | 2.5 L     | E | 40    |
|     | Self-defense spray, aerosol, see Aerosols, etc.   |           |        |       |        |                                       |      |     |      |           |           |   |       |
| + A | Self-defense spray, non-pressurized.  | 9         | NA3334 | III   | 9      | A37                                   | 155  | 203 | None | No limit  | No limit  | A | ..... |
| D   |   |           |        |       |        |                                       |      |     |      |           |           |   |       |
| G   | Self-heating liquid, corrosive, inorganic, n.o.s..  | 4.2       | UN3188 | II    | 4.2, 8 | IB2                                   | None | 202 | 243  | 1 L       | 5 L       | C | ..... |
|     |   |           |        | III   | 4.2, 8 | IB2                                   | None | 203 | 241  | 5 L       | 60 L      | C | ..... |
| G   | Self-heating liquid, corrosive, organic, n.o.s..  | 4.2       | UN3185 | II    | 4.2, 8 | IB2                                   | None | 202 | 243  | 1 L       | 5 L       | C | ..... |
|     |   |           |        | III   | 4.2, 8 | IB2                                   | None | 203 | 241  | 5 L       | 60 L      | C | ..... |
| G   | Self-heating liquid, inorganic, n.o.s..   | 4.2       | UN3186 | II    | 4.2    | IB2                                   | None | 202 | 242  | 1 L       | 5 L       | C | ..... |
|     |   |           |        | III   | 4.2    | IB2                                   | None | 203 | 241  | 5 L       | 60 L      | C | ..... |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes    | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |        |  |
|----------|--|----------------------------|----------------------------|-------|----------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|--------|--|
|          |  |                            |                            |       |                |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |  |
|          |  |                            |                            |       |                |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |  |
| G        | Self-heating liquid, organic, n.o.s..                        | 4.2                        | UN3183                     | II    | 4.2 .....      | IB2                              | None ....             | 202 ..... | 242 ..... | 1 L   | 5 L                   | C                | .....  |  |
| G        | Self-heating liquid, toxic, inorganic, n.o.s..               | 4.2                        | UN3187                     | III   | 4.2 .....      | IB2                              | None ....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | C                | .....  |  |
|          |  |                            |                            | II    | 4.2, 6.1. .... | IB2                              | None ....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | C                | .....  |  |
| G        | Self-heating liquid, toxic, organic, n.o.s..                 | 4.2                        | UN3184                     | III   | 4.2, 6.1. .... | IB2                              | None ....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | C                | .....  |  |
|          |  |                            |                            | II    | 4.2, 6.1. .... | IB2                              | None ....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | C                | .....  |  |
| G        | Self-heating solid, corrosive, inorganic, n.o.s..            | 4.2                        | UN3192                     | III   | 4.2, 6.1. .... | IB2                              | None ....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | C                | .....  |  |
|          |  |                            |                            | II    | 4.2, 8 .....   | IB5, IP2, T3, TP33               | None ....             | 212 ..... | 242 ..... | 15 kg   | 50 kg                 | C                | .....  |  |
| G        | Self-heating solid, corrosive, organic, n.o.s..              | 4.2                        | UN3126                     | III   | 4.2, 8 .....   | IB8, IP3, T1, TP33               | None ....             | 213 ..... | 242 ..... | 25 kg   | 100 kg                | C                | .....  |  |
|          |  |                            |                            | II    | 4.2, 8 .....   | IB5, IP2, T3, TP33               | None ....             | 212 ..... | 242 ..... | 15 kg   | 50 kg                 | C                | .....  |  |
| G        | Self-heating solid, inorganic, n.o.s..                       | 4.2                        | UN3190                     | III   | 4.2, 8 .....   | IB8, IP3, T1, TP33               | None ....             | 213 ..... | 242 ..... | 25 kg   | 100 kg                | C                | .....  |  |
|          |  |                            |                            | II    | 4.2 .....      | IB6, IP2, T3, TP33               | None ....             | 212 ..... | 241 ..... | 15 kg   | 50 kg                 | C                | .....  |  |
| G        | Self-heating solid, organic, n.o.s..                         | 4.2                        | UN3088                     | III   | 4.2 .....      | IB8, IP3, T1, TP33               | None ....             | 213 ..... | 241 ..... | 25 kg   | 100 kg                | C                | .....  |  |
|          |  |                            |                            | II    | 4.2 .....      | IB6, IP2, T3, TP33               | None ....             | 212 ..... | 241 ..... | 15 kg   | 50 kg                 | C                | .....  |  |
| G        | Self-heating solid, oxidizing, n.o.s..                       | 4.2                        | UN3127                     | ..... | 4.2, 5.1. .... | None                             | None ....             | 214 ..... | 214 ..... | Forbidden                                       | Forbidden             |                  | .....  |  |
| G        | Self-heating solid, toxic, inorganic, n.o.s..                | 4.2                        | UN3191                     | II    | 4.2, 6.1. .... | IB5, IP2, T3, TP33               | None ....             | 212 ..... | 242 ..... | 15 kg   | 50 kg                 | C                | .....  |  |
|          |  |                            |                            | III   | 4.2, 6.1. .... | IB8, IP3, T1, TP33               | None ....             | 213 ..... | 242 ..... | 25 kg   | 100 kg                | C                | .....  |  |
| G        | Self-heating solid, toxic, organic, n.o.s..                  | 4.2                        | UN3128                     | II    | 4.2, 6.1. .... | IB5, IP2, T3, TP33               | None ....             | 212 ..... | 242 ..... | 15 kg   | 50 kg                 | C                | .....  |  |
|          |  |                            |                            | III   | 4.2, 6.1. .... | IB8, IP3, T1, TP33               | None ....             | 213 ..... | 242 ..... | 25 kg   | 100 kg                | C                | .....  |  |
| G        | <i>Self-propelled vehicle, see Engines or Batteries etc.</i> |                            |                            |       |                |                                  |                       |           |           |   |                       |                  |        |  |
| G        | Self-reactive liquid type B .....                            | 4.1                        | UN3221                     | II    | 4.1 .....      | 53                               | None ....             | 224 ..... | None .... | Forbidden                                       | Forbidden             | D                | 52, 53 |  |

|   |   |       |        |       |       |       |                     |       |       |       |       |       |           |           |       |           |       |
|---|---|-------|--------|-------|-------|-------|---------------------|-------|-------|-------|-------|-------|-----------|-----------|-------|-----------|-------|
| G | Self-reactive liquid type B, temperature controlled.                                    | 4.1   | UN3231 | II    | 4.1   | ..... | 53                  | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive liquid type C .....   | 4.1   | UN3223 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 5 L       | 10 L      | D     | 52, 53    |       |
| G | Self-reactive liquid type C, temperature controlled.                                    | 4.1   | UN3233 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive liquid type D .....   | 4.1   | UN3225 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 5 L       | 10 L      | D     | 52, 53    |       |
| G | Self-reactive liquid type D, temperature controlled.                                    | 4.1   | UN3235 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive liquid type E .....   | 4.1   | UN3227 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 10 L      | 25 L      | D     | 52, 53    |       |
| G | Self-reactive liquid type E, temperature controlled.                                    | 4.1   | UN3237 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive liquid type F .....   | 4.1   | UN3229 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 10 L      | 25 L      | D     | 52, 53    |       |
| G | Self-reactive liquid type F, temperature controlled.                                    | 4.1   | UN3239 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive solid type B .....  | 4.1   | UN3222 | II    | 4.1   | ..... | 53                  | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 52, 53    |       |
| G | Self-reactive solid type B, temperature controlled.                                     | 4.1   | UN3232 | II    | 4.1   | ..... | 53                  | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive solid type C .....  | 4.1   | UN3224 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 5 kg      | 10 kg     | D     | 52, 53    |       |
| G | Self-reactive solid type C, temperature controlled.                                     | 4.1   | UN3234 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive solid type D .....  | 4.1   | UN3226 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 5 kg      | 10 kg     | D     | 52, 53    |       |
| G | Self-reactive solid type D, temperature controlled.                                     | 4.1   | UN3236 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive solid type E .....  | 4.1   | UN3228 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 10 kg     | 25 kg     | D     | 52, 53    |       |
| G | Self-reactive solid type E, temperature controlled.                                     | 4.1   | UN3238 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
| G | Self-reactive solid type F .....  | 4.1   | UN3230 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | 10 kg     | 25 kg     | D     | 52, 53    |       |
| G | Self-reactive solid type F, temperature controlled.                                     | 4.1   | UN3240 | II    | 4.1   | ..... |                     | None  | 224   | ..... | None  | ..... | Forbidden | Forbidden | D     | 2, 52, 53 |       |
|   | Shale oil .....   | 3     | UN1288 | I     | 3     | ..... | T11, TP1, TP8, TP27 | None  | 201   | ..... | 243   | ..... | 1 L       | 30 L      | B     | .....     |       |
|   | .....   | ..... | .....  | II    | 3     | ..... | IB2, T4, TP1, TP8   | 150   | ..... | 202   | ..... | 242   | .....     | 5 L       | 60 L  | B         | ..... |
|   | .....   | ..... | .....  | III   | 3     | ..... | B1, IB3, T2, TP1    | 150   | ..... | 203   | ..... | 242   | .....     | 60 L      | 220 L | A         | ..... |
|   | <i>Shaped charges, see Charges, shaped, etc.</i>  | ..... | .....  | ..... | ..... | ..... | .....               | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....     |       |
|   | Signal devices, hand .....  | 1.4G  | UN0191 | II    | 1.4G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | 75 kg     | 06    | .....     |       |
|   | Signal devices, hand .....  | 1.4S  | UN0373 | II    | 1.4S  | ...   |                     | None  | 62    | ..... | None  | ..... | 25 kg     | 100 kg    | 05    | .....     |       |
|   | Signals, distress, <i>ship</i> .....  | 1.1G  | UN0194 | II    | 1.1G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | Forbidden | 07    | .....     |       |
|   | Signals, distress, <i>ship</i> .....  | 1.3G  | UN0195 | II    | 1.3G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | 75 kg     | 07    | .....     |       |
|   | <i>Signals, highway, see Signal devices, hand.</i>                                      | ..... | .....  | ..... | ..... | ..... | .....               | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....     |       |
|   | Signals, railway track, explosive   | 1.1G  | UN0192 | II    | 1.1G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | Forbidden | 07    | .....     |       |
|   | Signals, railway track, explosive   | 1.4S  | UN0193 | II    | 1.4S  | ...   |                     | None  | 62    | ..... | None  | ..... | 25 kg     | 100 kg    | 05    | .....     |       |
|   | Signals, railway track, explosive   | 1.3G  | UN0492 | ..... | 1.3G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | Forbidden | 07    | .....     |       |
|   | Signals, railway track, explosive   | 1.4G  | UN0493 | ..... | 1.4G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | 75 kg     | 06    | .....     |       |
|   | <i>Signals, ship distress, water-activated, see Contrivances, water-activated, etc.</i> | ..... | .....  | ..... | ..... | ..... | .....               | ..... | ..... | ..... | ..... | ..... | .....     | .....     | ..... | .....     |       |
|   | Signals, smoke .....  | 1.1G  | UN0196 | II    | 1.1G  | ..    |                     | None  | 62    | ..... | None  | ..... | Forbidden | Forbidden | 07    | .....     |       |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descriptions and proper shipping names                | Hazard class or Division | Identifica-tion Num-bers | PG  | Label Codes | Special provi-sions (§ 172.102)           | (8)                   |           |           | (9)   |                      | (10)            |             |
|----------|---|--------------------------|--------------------------|-----|-------------|---|-----------------------|-----------|-----------|---|----------------------|-----------------|-------------|
|          |   |                          |                          |     |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                      | Vessel stow-age |             |
|          |   |                          |                          |     |             |   | Excep-tions           | Non-bulk  | Bulk      | Passenger aircraft/rail                         | Cargo air-craft only | Loca-tion       | Other       |
|          | Signals, smoke .....  | 1.4G                     | UN0197                   | II  | 1.4G ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                | 06              | .....       |
|          | Signals, smoke .....  | 1.2G                     | UN0313                   | II  | 1.2G ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden            | 07              | .....       |
|          | Signals, smoke .....  | 1.3G                     | UN0487                   | II  | 1.3G ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden            | 07              | .....       |
|          | Silane .....  | 2.1                      | UN2203                   |     | 2.1 .....   |   | None ....             | 302 ..... | None .... | Forbidden                                       | Forbidden            | E               | 40, 57, 104 |
|          | <i>Silicofluoric acid, see Fluorosilicic acid.</i> .....                  |                          |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | <i>Silicon chloride, see Silicon tetrachloride.</i> .....                 |                          |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | Silicon powder, amorphous .....   | 4.1                      | UN1346                   | III | 4.1 .....   | A1, IB8, IP3, T1, TP33                    | None ....             | 213 ..... | 240 ..... | 25 kg   | 100 kg               | A               | 74          |
|          | Silicon tetrachloride .....   | 8                        | UN1818                   | II  | 8 .....     | A3, A6, B2, B6, IB2, T7, TP2, TP7         | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                 | C               | 40          |
|          | Silicon tetrafluoride .....   | 2.3                      | UN1859                   |     | 2.3, 8      | 2   | None ....             | 302 ..... | None .... | Forbidden                                       | Forbidden            | D               | 40          |
|          | <i>Silver acetylide (dry)</i> .....                                       | Forbidden                |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | Silver arsenite .....   | 6.1                      | UN1683                   | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33                   | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg               | A               | .....       |
|          | <i>Silver azide (dry)</i> .....   | Forbidden                |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | <i>Silver chlorite (dry)</i> .....  | Forbidden                |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | Silver cyanide .....  | 6.1                      | UN1684                   | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33                   | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg               | A               | 40, 52      |
|          | <i>Silver fulminate (dry)</i> .....                                       | Forbidden                |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | Silver nitrate .....  | 5.1                      | UN1493                   | II  | 5.1 .....   | IB8, IP4, T3, TP33                        | 152 .....             | 212 ..... | 242 ..... | 5 kg  | 25 kg                | A               | .....       |
|          | <i>Silver oxalate (dry)</i> .....   | Forbidden                |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | <i>Silver picrate (dry)</i> .....   | Forbidden                |                          |     |             |   |                       |           |           |   |                      |                 |             |
|          | Silver picrate, wetted with not less than 30 percent water, by mass. .... | 4.1                      | UN1347                   | I   | 4.1 .....   | 23  | None ....             | 211 ..... | None .... | Forbidden                                       | Forbidden            | D               | 28, 36      |
|          | Sludge, acid .....  | 8                        | UN1906                   | II  | 8 .....     | A3, A7, B2, IB2, N34, T8, TP2, TP12, TP28 | None ....             | 202 ..... | 242 ..... | Forbidden                                       | 30 L                 | C               | 14          |
| D        | Smokeless powder for small arms (100 pounds or less). ....                | 4.1                      | NA3178                   | I   | 4.1 .....   | 16  | None ....             | 171 ..... | None .... | Forbidden                                       | 7.3 kg               | A               | .....       |
|          | Soda lime with more than 4 percent sodium hydroxide. ....                 | 8                        | UN1907                   | III | 8 .....     | IB8, IP3, T1, TP33                        | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg               | A               | 52.         |

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|   |   |     |        |     |     |  |      |     |     |           |        |   |             |
|---|---|-----|--------|-----|-----|--|------|-----|-----|-----------|--------|---|-------------|
|   | Sodium .....  | 4.3 | UN1428 | I   | 4.3 | A7, A8, A19, A20, B9, B48, B68, IB4, IP1, N34, T9, TP7, TP33, TP46 | None | 211 | 244 | Forbidden | 15 kg  | D | 52          |
| A | Sodium aluminate, solid .....   | 8   | UN2812 | III | 8   | IB8, IP3, T1, TP33   | 154  | 213 | 240 | 25 kg     | 100 kg | A |             |
|   | Sodium aluminate, solution .....  | 8   | UN1819 | II  | 8   | B2, IB2, T7, TP2   | 154  | 202 | 242 | 1 L       | 30 L   | A | 52.         |
|   | Sodium aluminum hydride .....   | 4.3 | UN2835 | III | 8   | IB3, T4, TP1   | 154  | 203 | 241 | 5 L       | 60 L   | A | 52.         |
|   | Sodium ammonium vanadate ....   | 6.1 | UN2863 | II  | 4.3 | A8, A19, A20, IB4, T3, TP33  | 151  | 212 | 242 | Forbidden | 50 kg  | E | 52          |
|   | Sodium arsenilate .....   | 6.1 | UN2473 | II  | 6.1 | IB8, IP2, IP4, T3, TP33  | 153  | 212 | 242 | 25 kg     | 100 kg | A | .....       |
|   | Sodium arsenite .....   | 6.1 | UN2473 | III | 6.1 | IB8, IP3, T1, TP33   | 153  | 213 | 240 | 100 kg    | 200 kg | A | .....       |
|   | Sodium arsenate .....   | 6.1 | UN1685 | II  | 6.1 | IB8, IP2, IP4, T3, TP33  | 153  | 212 | 242 | 25 kg     | 100 kg | A | .....       |
|   | Sodium arsenite, aqueous solutions.   | 6.1 | UN1686 | II  | 6.1 | IB2, T7, TP2   | 153  | 202 | 243 | 5 L       | 60 L   | A | .....       |
|   | .....   |     |        | III | 6.1 | IB3, T4, TP2   | 153  | 203 | 241 | 60 L      | 220 L  | A | .....       |
|   | Sodium arsenite, solid .....  | 6.1 | UN2027 | II  | 6.1 | IB8, IP2, IP4, T3, TP33  | 153  | 212 | 242 | 25 kg     | 100 kg | A | .....       |
|   | Sodium azide .....  | 6.1 | UN1687 | II  | 6.1 | IB8, IP2, IP4  | 153  | 212 | 242 | 25 kg     | 100 kg | A | 36, 52, 91  |
|   | <i>Sodium bifluoride, see Sodium hydrogendifluoride.</i>  |     |        |     |     |  |      |     |     |           |        |   |             |
|   | <i>Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s..</i>   |     |        |     |     |  |      |     |     |           |        |   |             |
|   | Sodium borohydride .....  | 4.3 | UN1426 | I   | 4.3 | N40  | None | 211 | 242 | Forbidden | 15 kg  | E | 52          |
|   | Sodium borohydride and sodium hydroxide solution, with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass. | 8   | UN3320 | II  | 8   | B2, IB2, N34, T7, TP2  | 154  | 202 | 242 | 1 L       | 30 L   | A | 52          |
|   | .....   |     |        | III | 8   | B2, IB3, N34, T4, TP2  | 154  | 203 | 241 | 5 L       | 60 L   | A | 52          |
|   | Sodium bromate .....  | 5.1 | UN1494 | II  | 5.1 | IB8, IP4, T3, TP33   | 152  | 212 | 242 | 5 kg      | 25 kg  | A | 56, 58      |
|   | Sodium cacodylate .....   | 6.1 | UN1688 | II  | 6.1 | IB8, IP2, IP4, T3, TP33  | 153  | 212 | 242 | 25 kg     | 100 kg | A | 52          |
|   | Sodium carbonate peroxyhydrate.   | 5.1 | UN3378 | II  | 5.1 | IB8, IP2, IP4, T3, TP33  | 152  | 212 | 240 | 5 kg      | 25 kg  | A | 13, 48, 75  |
|   | .....   |     |        | III | 5.1 | IB8, IP3, T1, TP33   | 152  | 213 | 240 | 25 kg     | 100 kg | A | 13, 48, 75  |
|   | Sodium chlorate .....   | 5.1 | UN1495 | II  | 5.1 | A9, IB8, IP4, N34, T3, TP33  | 152  | 212 | 240 | 5 kg      | 25 kg  | A | 56, 58      |
|   | Sodium chlorate, aqueous solution.  | 5.1 | UN2428 | II  | 5.1 | A2, IB2, T4, TP1   | 152  | 202 | 241 | 1 L       | 5 L    | B | 56, 58, 133 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)              | (8)                   |           |      | (9)   |                       | (10)             |                 |
|----------|--|----------------------------|----------------------------|-----|-------------|---|-----------------------|-----------|------|---|-----------------------|------------------|-----------------|
|          |  |                            |                            |     |             |   | Packaging (§ 173.***) |           |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                 |
|          |  |                            |                            |     |             |   | Excep- tions          | Non- bulk | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other           |
|          |  |                            |                            | III | 5.1         | A2, IB2, T4, TP1                              | 152                   | 203       | 241  | 2.5 L   | 30 L                  | B                | 56, 58, 69, 133 |
|          | <i>Sodium chlorate mixed with dini- trotoluene, see Explosive blasting, type C.</i>                        |                            |                            |     |             |   |                       |           |      |   |                       |                  |                 |
|          | Sodium chlorite  | 5.1                        | UN1496                     | II  | 5.1         | A9, IB8, IP2, IP4, N34, T3, TP33              | None                  | 212       | 242  | 5 kg  | 25 kg                 | A                | 56, 58          |
|          | Sodium chloroacetate   | 6.1                        | UN2659                     | III | 6.1         | IB8, IP3, T1, TP33                            | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                |                 |
|          | Sodium cuprocyanide, solid   | 6.1                        | UN2316                     | I   | 6.1         | IB7, IP1, T6, TP33                            | None                  | 211       | 242  | 5 kg  | 50 kg                 | A                | 52              |
|          | Sodium cuprocyanide, solution  | 6.1                        | UN2317                     | I   | 6.1         | T14, TP2, TP13                                | None                  | 201       | 243  | 1 L   | 30 L                  | B                | 40, 52          |
|          | Sodium cyanide, solid  | 6.1                        | UN1689                     | I   | 6.1         | B69, B77, IB7, N74, N75, T6, TP33             | None                  | 211       | 242  | 5 kg  | 50 kg                 | B                | 52              |
|          | Sodium cyanide solution  | 6.1                        | UN3414                     | I   | 6.1         | B69, B77, N74, N75, T14, TP2, TP13            | None                  | 201       | 243  | 1 L   | 30 L                  | B                | 52              |
|          |  |                            |                            | II  | 6.1         | B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27 | 153                   | 202       | 243  | 5 L   | 60 L                  | B                | 52              |
|          |  |                            |                            | III | 6.1         | B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28  | 153                   | 203       | 241  | 60 L  | 220 L                 | A                | 52              |
|          | <i>Sodium dichloroisocyanurate or Sodium dichloro-s- triazinetrione, see Dichloroisocyanuric acid etc.</i> |                            |                            |     |             |   |                       |           |      |   |                       |                  |                 |
|          | Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass.                        | 1.3C                       | UN0234                     | II  | 1.3C        |   | None                  | 62        | None | Forbidden                                       | Forbidden             | 10               | 5E              |
|          | Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass.                                  | 4.1                        | UN3369                     | I   | 4.1         | 162, A8, A19, N41, N84                        | None                  | 211       | None | 0.5 kg  | 0.5 kg                | E                | 36              |
|          | Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass.                           | 4.1                        | UN1348                     | I   | 4.1, 6.1    | 23, A8, A19, A20, N41                         | None                  | 211       | None | 1 kg  | 15 kg                 | E                | 28, 36          |
|          | Sodium dithionite or Sodium hy- drosulfite.  | 4.2                        | UN1384                     | II  | 4.2         | A19, A20, IB6, IP2, T3, TP33                  | None                  | 212       | 241  | 15 kg   | 50 kg                 | E                | 13              |
|          | Sodium fluoride, solid   | 6.1                        | UN1690                     | III | 6.1         | IB8, IP3, T1, TP33                            | 153                   | 213       | 240  | 100 kg  | 200 kg                | A                | 52              |

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|---|-----|--------|-----|--------------|--|------|-----|-----|-----------|--------|---|-------------------|
| Sodium fluoride solution .....  | 6.1 | UN3415 | III | 6.1          | IB3, T4, TP1                           | 153  | 203 | 241 | 60 L      | 220 L  | A | 52                |
| Sodium fluoroacetate .....  | 6.1 | UN2629 | I   | 6.1          | IB7, IP1, T6,<br>TP33                  | None | 211 | 242 | 5 kg      | 50 kg  | E | .....             |
| Sodium fluorosilicate .....   | 6.1 | UN2674 | III | 6.1          | IB8, IP3, T1,<br>TP33                  | 153  | 213 | 240 | 100 kg    | 200 kg | A | 52                |
| <i>Sodium hydrate, see Sodium hydroxide, solid.</i>                         |     |        |     |              |  |      |     |     |           |        |   |                   |
| Sodium hydride .....  | 4.3 | UN1427 | I   | 4.3          | A19, N40                               | None | 211 | 242 | Forbidden | 15 kg  | E | 52                |
| Sodium hydrogendifluoride .....   | 8   | UN2439 | II  | 8            | IB8, IP2, IP4,<br>N3, N34, T3,<br>TP33 | 154  | 212 | 240 | 15 kg     | 50 kg  | A | 12, 25,<br>40, 52 |
| Sodium hydrosulfide, with less than 25 percent water of crystallization.    | 4.2 | UN2318 | II  | 4.2          | A7, A19, A20,<br>IB6, IP2, T3,<br>TP33 | None | 212 | 241 | 15 kg     | 50 kg  | A | 52.               |
| Sodium hydrosulfide with not less than 25 percent water of crystallization. | 8   | UN2949 | II  | 8            | A7, IB8, IP2, IP4,<br>T7, TP2          | 154  | 212 | 240 | 15 kg     | 50 kg  | A | 52                |
| <i>Sodium hydrosulfite, see Sodium dithionite.</i>                          |     |        |     |              |  |      |     |     |           |        |   |                   |
| Sodium hydroxide, solid .....   | 8   | UN1823 | II  | 8            | IB8, IP2, IP4, T3,<br>TP33             | 154  | 212 | 240 | 15 kg     | 50 kg  | A | 52.               |
| Sodium hydroxide solution .....   | 8   | UN1824 | II  | 8            | B2, IB2, N34, T7,<br>TP2               | 154  | 202 | 242 | 1 L       | 30 L   | A | 52.               |
|   |     |        | III | 8            | IB3, N34, T4,<br>TP1                   | 154  | 203 | 241 | 5 L       | 60 L   | A | 52.               |
| <i>Sodium hypochlorite, solution, see Hypochlorite solutions etc.</i>       |     |        |     |              |  |      |     |     |           |        |   |                   |
| <i>Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s..</i> |     |        |     |              |  |      |     |     |           |        |   |                   |
| Sodium methylate .....  | 4.2 | UN1431 | II  | 4.2, 8       | A7, A19, IB5,<br>IP2, T3, TP33         | None | 212 | 242 | 15 kg     | 50 kg  | B | .....             |
| Sodium methylate solutions in alcohol.                                      | 3   | UN1289 | II  | 3, 8         | IB2, T7, TP1,<br>TP8                   | 150  | 202 | 243 | 1 L       | 5 L    | B | .....             |
|   |     |        | III | 3, 8         | B1, IB3, T4, TP1                       | 150  | 203 | 242 | 5 L       | 60 L   | A | .....             |
| Sodium monoxide .....   | 8   | UN1825 | II  | 8            | IB8, IP2, IP4, T3,<br>TP33             | 154  | 212 | 240 | 15 kg     | 50 kg  | A | 52.               |
| Sodium nitrate .....  | 5.1 | UN1498 | III | 5.1          | A1, A29, IB8,<br>IP3, T1, TP33         | 152  | 213 | 240 | 25 kg     | 100 kg | A | .....             |
| Sodium nitrate and potassium nitrate mixtures.                              | 5.1 | UN1499 | III | 5.1          | A1, A29, IB8,<br>IP3, T1, TP33         | 152  | 213 | 240 | 25 kg     | 100 kg | A | .....             |
| Sodium nitrite .....  | 5.1 | UN1500 | III | 5.1,<br>6.1. | A1, A29, IB8,<br>IP3, T1, TP33         | 152  | 213 | 240 | 25 kg     | 100 kg | A | 56, 58            |
| Sodium pentachlorophenate .....   | 6.1 | UN2567 | II  | 6.1          | IB8, IP2, IP4, T3,<br>TP33             | 153  | 212 | 242 | 25 kg     | 100 kg | A | .....             |
| Sodium perborate monohydrate  | 5.1 | UN3377 | III | 5.1          | IB8, IP3, T1,<br>TP33                  | 152  | 213 | 240 | 25 kg     | 100 kg | A | 13, 48,<br>75     |
| Sodium perchlorate .....  | 5.1 | UN1502 | II  | 5.1          | IB6, IP2, T3,<br>TP33                  | 152  | 212 | 242 | 5 kg      | 25 kg  | A | 56, 58            |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes       | Special provi- sions (§ 172.102)  | (8)                   |           |            | (9)   |                       | (10)             |                |
|----------|--|----------------------------|----------------------------|-----|-------------------|-----------------------------------|-----------------------|-----------|------------|---|-----------------------|------------------|----------------|
|          |  |                            |                            |     |                   |                                   | Packaging (§ 173.***) |           |            | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |                |
|          |  |                            |                            |     |                   |                                   | Excep- tions          | Non- bulk | Bulk       | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other          |
|          | Sodium permanganate .....  | 5.1                        | UN1503                     | II  | 5.1 .....         | IB6, IP2, T3, TP33                | 152 .....             | 212 ..... | 242 .....  | 5 kg  | 25 kg                 | D                | 56, 58, 138    |
|          | Sodium peroxide .....  | 5.1                        | UN1504                     | I   | 5.1 .....         | A20, IB5, IP1, N34                | None .....            | 211 ..... | None ..... | Forbidden                                       | 15 kg                 | B                | 13, 52, 66, 75 |
|          | Sodium peroxoborate, anhy- drous.  | 5.1                        | UN3247                     | II  | 5.1 .....         | IB8, IP4, T3, TP33                | 152 .....             | 212 ..... | 240 .....  | 5 kg  | 25 kg                 | A                | 13, 25         |
|          | Sodium persulfate .....  | 5.1                        | UN1505                     | III | 5.1 .....         | A1, IB8, IP3, T1, TP33            | 152 .....             | 213 ..... | 240 .....  | 25 kg   | 100 kg                | A                | 56, 58         |
|          | Sodium phosphide .....   | 4.3                        | UN1432                     | I   | 4.3, 6.1, 1.3C .. | A19, N40                          | None .....            | 211 ..... | None ..... | Forbidden                                       | 15 kg                 | E                | 40, 52, 85     |
|          | Sodium picramate, <i>dry or wetted with less than 20 percent water, by mass.</i>                         | 1.3C                       | UN0235                     | II  | 1.3C ..           |                                   | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 10               | 5E             |
|          | Sodium picramate, <i>wetted with not less than 20 percent water, by mass.</i>                            | 4.1                        | UN1349                     | I   | 4.1 .....         | 23, A8, A19, N41                  | None .....            | 211 ..... | None ..... | Forbidden                                       | 15 kg                 | E                | 28, 36         |
|          | <i>Sodium picryl peroxide</i> .....  | Forbidden                  |                            |     |                   |                                   |                       |           |            |   |                       |                  |                |
|          | <i>Sodium potassium alloys, see Potassium sodium alloys.</i>   |                            |                            |     |                   |                                   |                       |           |            |   |                       |                  |                |
|          | <i>Sodium selenate, see Selenates or Selenites.</i>  |                            |                            |     |                   |                                   |                       |           |            |   |                       |                  |                |
|          | Sodium sulfide, anhydrous or Sodium sulfide <i>with less than 30 percent water of crys- tallization.</i> | 4.2                        | UN1385                     | II  | 4.2 .....         | A19, A20, IB6, IP2, N34, T3, TP33 | None .....            | 212 ..... | 241 .....  | 15 kg   | 50 kg                 | A                | 52             |
|          | Sodium sulfide, <i>hydrated with not less than 30 percent water.</i>                                     | 8                          | UN1849                     | II  | 8 .....           | IB8, IP2, IP4, T3, TP33           | 154 .....             | 212 ..... | 240 .....  | 15 kg   | 50 kg                 | A                | 52.            |
|          | Sodium superoxide .....  | 5.1                        | UN2547                     | I   | 5.1 .....         | A20, IB6, IP1, N34                | None .....            | 211 ..... | None ..... | Forbidden                                       | 15 kg                 | E                | 13, 52, 66, 75 |
|          | <i>Sodium tetranitride</i> .....   | Forbidden                  |                            |     |                   |                                   |                       |           |            |   |                       |                  |                |
| G        | Solids containing corrosive liq- uid, n.o.s..  | 8                          | UN3244                     | II  | 8 .....           | 49, IB5, T3, TP33                 | 154 .....             | 212 ..... | 240 .....  | 15 kg   | 50 kg                 | B                | 40             |
| G        | Solids containing flammable liq- uid, n.o.s..  | 4.1                        | UN3175                     | II  | 4.1 .....         | 47, IB6, IP2, T3, TP33            | 151 .....             | 212 ..... | 240 .....  | 15 kg   | 50 kg                 | B                | .....          |
| G        | Solids containing toxic liquid, n.o.s..  | 6.1                        | UN3243                     | II  | 6.1 .....         | 48, IB2, T2, TP33                 | 153 .....             | 212 ..... | 240 .....  | 25 kg   | 100 kg                | B                | 40             |
|          | Sounding devices, explosive .....  | 1.2F                       | UN0204                     | II  | 1.2F ..           |                                   | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 08               | .....          |
|          | Sounding devices, explosive .....  | 1.1F                       | UN0296                     | II  | 1.1F ..           |                                   | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 08               | .....          |
|          | Sounding devices, explosive .....  | 1.1D                       | UN0374                     | II  | 1.1D ..           |                                   | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 07               | .....          |
|          | Sounding devices, explosive .....  | 1.2D                       | UN0375                     | II  | 1.2D ..           |                                   | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 07               | .....          |

|   |      |        |     |          |                                      |      |     |      |           |           |    |                    |  |
|---|------|--------|-----|----------|--------------------------------------|------|-----|------|-----------|-----------|----|--------------------|--|
| Spirits of salt, see Hydrochloric acid.         |      |        |     |          |                                      |      |     |      |           |           |    |                    |  |
| Squibs, see Igniters etc                        |      |        |     |          |                                      |      |     |      |           |           |    |                    |  |
| Stannic chloride, anhydrous                     | 8    | UN1827 | II  | 8        | B2, IB2, T7, TP2                     | 154  | 202 | 242  | 1 L       | 30 L      | C  |                    |  |
| Stannic chloride pentahydrate                   | 8    | UN2440 | III | 8        | IB8, IP3, T1, TP33                   | 154  | 213 | 240  | 25 kg     | 100 kg    | A  |                    |  |
| Stannic phosphide                               | 4.3  | UN1433 | I   | 4.3, 6.1 | A19, N40                             | None | 211 | 242  | Forbidden | 15 kg     | E  | 40, 52, 85         |  |
| Steel swarf, see Ferrous metal borings, etc.    |      |        |     |          |                                      |      |     |      |           |           |    |                    |  |
| Stibine   | 2.3  | UN2676 |     | 2.3, 2.1 | 1                                    | None | 304 | None | Forbidden | Forbidden | D  | 40                 |  |
| Storage batteries, wet, see Batteries, wet etc. |      |        |     |          |                                      |      |     |      |           |           |    |                    |  |
| Strontium arsenite                              | 6.1  | UN1691 | II  | 6.1      | IB8, IP2, IP4, T3, TP33              | 153  | 212 | 242  | 25 kg     | 100 kg    | A  |                    |  |
| Strontium chlorate                              | 5.1  | UN1506 | II  | 5.1      | A1, A9, IB8, IP2, IP4, N34, T3, TP33 | 152  | 212 | 242  | 5 kg      | 25 kg     | A  | 56, 58             |  |
| Strontium nitrate                               | 5.1  | UN1507 | III | 5.1      | A1, A29, IB8, IP3, T1, TP33          | 152  | 213 | 240  | 25 kg     | 100 kg    | A  |                    |  |
| Strontium perchlorate                           | 5.1  | UN1508 | II  | 5.1      | IB6, IP2, T3, TP33                   | 152  | 212 | 242  | 5 kg      | 25 kg     | A  | 56, 58             |  |
| Strontium peroxide                              | 5.1  | UN1509 | II  | 5.1      | IB6, IP2, T3, TP33                   | 152  | 212 | 242  | 5 kg      | 25 kg     | A  | 13, 52, 66, 75     |  |
| Strontium phosphide                             | 4.3  | UN2013 | I   | 4.3, 6.1 | A19, N40                             | None | 211 | None | Forbidden | 15 kg     | E  | 40, 52, 85         |  |
| Strychnine or Strychnine salts                  | 6.1  | UN1692 | I   | 6.1      | IB7, IP1, T6, TP33                   | None | 211 | 242  | 5 kg      | 50 kg     | A  | 40                 |  |
| Styphnic acid, see Trinitroresorcinol, etc.     |      |        |     |          |                                      |      |     |      |           |           |    |                    |  |
| Styrene monomer, stabilized                     | 3    | UN2055 | III | 3        | B1, IB3, T2, TP1                     | 150  | 203 | 242  | 60 L      | 220 L     | A  |                    |  |
| Substances, explosive, n.o.s                    | 1.1L | UN0357 | II  | 1.1L     |                                      | None | 62  | None | Forbidden | Forbidden |    | 8E, 14E, 15E, 17E. |  |
| Substances, explosive, n.o.s                    | 1.2L | UN0358 | II  | 1.2L     |                                      | None | 62  | None | Forbidden | Forbidden |    | 8E, 14E, 15E, 17E. |  |
| Substances, explosive, n.o.s                    | 1.3L | UN0359 | II  | 1.3L     |                                      | None | 62  | None | Forbidden | Forbidden |    | 8E, 14E, 15E, 17E. |  |
| Substances, explosive, n.o.s                    | 1.1A | UN0473 | II  | 1.1A     | 111                                  | None | 62  | None | Forbidden | Forbidden | 12 |                    |  |
| Substances, explosive, n.o.s                    | 1.1C | UN0474 | II  | 1.1C     |                                      | None | 62  | None | Forbidden | Forbidden | 10 |                    |  |
| Substances, explosive, n.o.s                    | 1.1D | UN0475 | II  | 1.1D     |                                      | None | 62  | None | Forbidden | Forbidden | 10 |                    |  |
| Substances, explosive, n.o.s                    | 1.1G | UN0476 | II  | 1.1G     |                                      | None | 62  | None | Forbidden | Forbidden | 08 |                    |  |
| Substances, explosive, n.o.s                    | 1.3C | UN0477 | II  | 1.3C     |                                      | None | 62  | None | Forbidden | Forbidden | 10 |                    |  |
| Substances, explosive, n.o.s                    | 1.3G | UN0478 | II  | 1.3G     |                                      | None | 62  | None | Forbidden | Forbidden | 08 |                    |  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |         |
|----------|--|----------------------------|----------------------------|-----|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|---------|
|          |  |                            |                            |     |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |         |
|          |  |                            |                            |     |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other   |
| G        | Substances, explosive, n.o.s .....   | 1.4C                       | UN0479                     | II  | 1.4C ..     | .....                            | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 09               |         |
| G        | Substances, explosive, n.o.s .....   | 1.4D                       | UN0480                     | II  | 1.4D ..     | .....                            | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 09               |         |
| G        | Substances, explosive, n.o.s .....   | 1.4S                       | UN0481                     | II  | 1.4S ..     | .....                            | None ....             | 62 .....  | None .... | 25 kg   | 75 kg                 | 05               |         |
| G        | Substances, explosive, n.o.s .....   | 1.4G                       | UN0485                     | II  | 1.4G ..     | .....                            | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                 | 08               |         |
| G        | Substances, explosive, very in- sensitive, n.o.s. or Sub- stances,EVI, n.o.s.                                    | 1.5D                       | UN0482                     | II  | 1.5D ..     | .....                            | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               |         |
|          | Substituted nitrophenol pes- ticides, liquid, flammable, toxic, <i>flash point less than 23 degrees C.</i>       | 3                          | UN2780                     | I   | 3, 6.1      | T14, TP2, TP13, TP27             | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 30 L                  | B                | 40      |
|          | .....  |                            |                            | II  | 3, 6.1      | IB2, T11, TP2, TP13, TP27        | 150 .....             | 202 ..... | 243 ..... | 1 L   | 60 L                  | B                | 40      |
|          | Substituted nitrophenol pes- ticides, liquid, toxic.   | 6.1                        | UN3014                     | I   | 6.1 .....   | T14, TP2, TP13, TP27             | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | B                | 40      |
|          | .....  |                            |                            | II  | 6.1 .....   | IB2, T11, TP2, TP13, TP27        | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | B                | 40      |
|          | .....  |                            |                            | III | 6.1 .....   | IB3, T7, TP2, TP28               | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | 40      |
|          | Substituted nitrophenol pes- ticides, liquid, toxic, flam- mable, <i>flash point not less than 23 degrees C.</i> | 6.1                        | UN3013                     | I   | 6.1, 3      | T14, TP2, TP13, TP27             | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | B                | 40      |
|          | .....  |                            |                            | II  | 6.1, 3      | IB2, T11, TP2, TP13, TP27        | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | B                | 40      |
|          | .....  |                            |                            | III | 6.1, 3      | B1, IB3, T7, TP2, TP28           | 153 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | 40      |
|          | Substituted nitrophenol pes- ticides, solid, toxic.  | 6.1                        | UN2779                     | I   | 6.1 .....   | IB7, IP1, T6, TP33               | None ....             | 211 ..... | 242 ..... | 5 kg  | 50 kg                 | A                | 40      |
|          | .....  |                            |                            | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33          | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                | 40      |
|          | .....  |                            |                            | III | 6.1 .....   | IB8, IP3, T1, TP33               | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                | 40      |
|          | <i>Sucrose octanitate (dry)</i> .....  | Forbidden                  |                            |     |             |                                  |                       |           |           |   |                       |                  |         |
|          | Sulfamic acid .....  | 8                          | UN2967                     | III | 8 .....     | IB8, IP3, T1, TP33               | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                |         |
| D        | Sulfur .....   | 9                          | NA1350                     | III | 9 .....     | 30, IB8, IP2                     | None ....             | None .... | 240 ..... | No Limit  | No Limit              | A                | 19, 74  |
| I        | Sulfur .....   | 4.1                        | UN1350                     | III | 4.1 .....   | 30, IB8, IP3, T1, TP33           | None ....             | None .... | 240 ..... | 25 kg   | 100 kg                | A                | 19, 74. |
|          | <i>Sulfur and chlorate, loose mix- tures of.</i>   | Forbidden                  |                            |     |             |                                  |                       |           |           |   |                       |                  |         |

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|---|---|-----|--------|-----|--------|-------|---|------|-------|-----|-------|-----------|-------|-----------|-----------|---|--------|
|   | Sulfur chlorides .....  | 8   | UN1828 | I   | 8      | ..... | 5, A3, A7, A10, B10, B77, N34, T20, TP2, TP12                                     | None | ..... | 201 | ..... | 243       | ..... | Forbidden | 2.5 L     | C | 40     |
|   | <i>Sulfur dichloride, see Sulfur chlorides.</i>                                       |     |        |     |        |       |   |      |       |     |       |           |       |           |           |   |        |
|   | Sulfur dioxide .....  | 2.3 | UN1079 |     | 2.3, 8 |       | 3, B14, T50, TP19   | None | ..... | 304 | ..... | 314, 315. |       | Forbidden | Forbidden | D | 40     |
|   | <i>Sulfur dioxide solution, see Sulfurous acid.</i>                                   |     |        |     |        |       |   |      |       |     |       |           |       |           |           |   |        |
|   | Sulfur hexafluoride .....   | 2.2 | UN1080 |     | 2.2    | ..... |   | 306  | ..... | 304 | ..... | 314, 315. | 75 kg | 150 kg    | A         |   |        |
| D | Sulfur, molten .....  | 9   | NA2448 | III | 9      | ..... | 30, IB3, T1, TP3  | None | ..... | 213 | ..... | 247       | ..... | Forbidden | Forbidden | C | 61     |
| I | Sulfur, molten .....  | 4.1 | UN2448 | III | 4.1    | ..... | 30, IB1, T1, TP3  | None | ..... | 213 | ..... | 247       | ..... | Forbidden | Forbidden | C | 74     |
|   | Sulfur tetrafluoride .....  | 2.3 | UN2418 |     | 2.3, 8 |       | 1   | None | ..... | 302 | ..... | 245       | ..... | Forbidden | Forbidden | D | 40, 52 |
| + | Sulfur trioxide, stabilized .....   | 8   | UN1829 | I   | 8, 6.1 |       | 2, B9, B14, B32, B49, B74, B77, N34, T20, TP4, TP12, TP13, TP25, TP26, TP38, TP45 | None | ..... | 227 | ..... | 244       | ..... | Forbidden | Forbidden | A | 40     |
|   | <i>Sulfuretted hydrogen, see Hydrogen sulfide.</i>                                    |     |        |     |        |       |   |      |       |     |       |           |       |           |           |   |        |
|   | Sulfuric acid, fuming with less than 30 percent free sulfur trioxide.                 | 8   | UN1831 | I   | 8      | ..... | A3, A7, B84, N34, T20, TP2, TP12, TP13  | None | ..... | 201 | ..... | 243       | ..... | Forbidden | 2.5 L     | C | 14, 40 |
|   | Sulfuric acid, fuming with 30 percent or more free sulfur trioxide.                   | 8   | UN1831 | I   | 8, 6.1 |       | 2, B9, B14, B32, B74, B77, B84, N34, T20, TP2, TP12, TP13                         | None | ..... | 227 | ..... | 244       | ..... | Forbidden | Forbidden | C | 14, 40 |
|   | Sulfuric acid, spent .....  | 8   | UN1832 | II  | 8      | ..... | A3, A7, B2, B83, B84, IB2, N34, T8, TP2, TP12                                     | None | ..... | 202 | ..... | 242       | ..... | Forbidden | 30 L      | C | 14     |
|   | Sulfuric acid with more than 51 percent acid.   | 8   | UN1830 | II  | 8      | ..... | A3, A7, B3, B83, B84, IB2, N34, T8, TP2, TP12                                     | 154  | ..... | 202 | ..... | 242       | ..... | 1 L       | 30 L      | C | 14     |
|   | Sulfuric acid with not more than 51% acid.  | 8   | UN2796 | II  | 8      | ..... | A3, A7, B2, B15, IB2, N6, N34, T8, TP2, TP12                                      | 154  | ..... | 202 | ..... | 242       | ..... | 1 L       | 30 L      | B |        |
|   | Sulfuric and hydrofluoric acid mixtures, see Hydrofluoric and sulfuric acid mixtures. |     |        |     |        |       |   |      |       |     |       |           |       |           |           |   |        |
|   | <i>Sulfuric anhydride, see Sulfur trioxide, stabilized.</i>                           |     |        |     |        |       |   |      |       |     |       |           |       |           |           |   |        |
|   | Sulfurous acid .....  | 8   | UN1833 | II  | 8      | ..... | B3, IB2, T7, TP2  | 154  | ..... | 202 | ..... | 242       | ..... | 1 L       | 30 L      | B | 40     |
| + | Sulfuryl chloride .....   | 8   | UN1834 | I   | 8, 6.1 |       | 1, B6, B9, B10, B14, B30, B74, B77, N34, T22, TP2, TP12, TP38, TP44               | None | ..... | 226 | ..... | 244       | ..... | Forbidden | Forbidden | C | 40     |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|--|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |  |                            |                            |       |             |                                  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |  |                            |                            |       |             |                                  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          | Sulfuryl fluoride .....  | 2.3                        | UN2191                     | ..... | 2.3         | 4                                | None                  | 304       | 314, 315. | Forbidden                                       | Forbidden             | D                | 40    |
|          | Tars, liquid <i>including road as-phalt and oils, bitumen and cut backs.</i> .....                             | 3                          | UN1999                     | II    | 3           | 149, B13, IB2, T3, TP3, TP29     | 150                   | 202       | 242       | 5 L   | 60 L                  | B                | ..... |
|          | .....  |                            |                            | III   | 3           | B1, B13, IB3, T1, TP3            | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
|          | Tear gas candles .....   | 6.1                        | UN1700                     | II    | 6.1, 4.1.   |                                  | None                  | 340       | None      | Forbidden                                       | 50 kg                 | D                | 40    |
|          | <i>Tear gas cartridges, see Ammu- nition, tear-producing, etc.</i> .....                                       |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| D        | Tear gas devices <i>with more than 2 percent tear gas sub- stances, by mass.</i> .....                         | 6.1                        | NA1693                     | I     | 6.1         |                                  | None                  | 340       | None      | Forbidden                                       | Forbidden             | D                | 40    |
|          | .....  |                            |                            | II    | 6.1         |                                  | None                  | 340       | None      | Forbidden                                       | Forbidden             | D                | 40    |
|          | <i>Tear gas devices, with not more than 2 percent tear gas sub- stances, by mass, see Aerosols, etc.</i> ..... |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
|          | <i>Tear gas grenades, see Tear gas candles.</i> .....  |                            |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
| G        | Tear gas substances, liquid, n.o.s. ....   | 6.1                        | UN1693                     | I     | 6.1         |                                  | None                  | 201       | None      | Forbidden                                       | Forbidden             | D                | 40    |
|          | .....  |                            |                            | II    | 6.1         | IB2                              | None                  | 202       | None      | Forbidden                                       | 5 L                   | D                | 40    |
| G        | Tear gas substance, solid, n.o.s. ....   | 6.1                        | UN3448                     | I     | 6.1         | T6, TP33                         | None                  | 211       | 242       | Forbidden                                       | Forbidden             | D                | 40    |
|          | .....  |                            |                            | II    | 6.1         | IB8, IP2, IP4, T3, TP33          | None                  | 212       | 242       | Forbidden                                       | 25 kg                 | D                | 40    |
|          | Tellurium compound, n.o.s. ....  | 6.1                        | UN3284                     | I     | 6.1         | IB7, IP1, T6, TP33               | None                  | 211       | 242       | 5 kg  | 50 kg                 | B                | ..... |
|          | .....  |                            |                            | II    | 6.1         | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242       | 25 kg   | 100 kg                | B                | ..... |
|          | .....  |                            |                            | III   | 6.1         | IB8, IP3, T1, TP33               | 153                   | 213       | 240       | 100 kg  | 200 kg                | A                | ..... |
|          | Tellurium hexafluoride .....   | 2.3                        | UN2195                     | ..... | 2.3, 8      | 1                                | None                  | 302       | None      | Forbidden                                       | Forbidden             | D                | 40    |
|          | Terpene hydrocarbons, n.o.s. ....  | 3                          | UN2319                     | III   | 3           | B1, IB3, T4, TP1, TP29           | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
|          | Terpinolene .....  | 3                          | UN2541                     | III   | 3           | B1, IB3, T2, TP1                 | 150                   | 203       | 242       | 60 L  | 220 L                 | A                | ..... |
|          | <i>Tetraazido benzene quinone</i> .....  | Forbidden                  |                            |       |             |                                  |                       |           |           |   |                       |                  |       |
|          | Tetrabromoethane .....   | 6.1                        | UN2504                     | III   | 6.1         | IB3, T4, TP1                     | 153                   | 203       | 241       | 60 L  | 220 L                 | A                | ..... |
|          | 1,1,2,2-Tetrachloroethane .....  | 6.1                        | UN1702                     | II    | 6.1         | IB2, N36, T7, TP2                | 153                   | 202       | 243       | 5 L   | 60 L                  | A                | 40    |

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|  |           |        |       |           |  |            |           |            |           |           |    |        |
|--|-----------|--------|-------|-----------|--|------------|-----------|------------|-----------|-----------|----|--------|
| Tetrachloroethylene .....  | 6.1       | UN1897 | III   | 6.1 ..... | IB3, N36, T4, TP1                                | 153 .....  | 203 ..... | 241 .....  | 60 L      | 220 L     | A  | 40     |
| Tetraethyl dithiopyrophosphate ..  | 6.1       | UN1704 | II    | 6.1 ..... | IB2, T7, TP2                                     | 153 .....  | 212 ..... | 242 .....  | 25 kg     | 100 kg    | D  | 40     |
| Tetraethyl silicate .....  | 3         | UN1292 | III   | 3 .....   | B1, IB3, T2, TP1                                 | 150 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A  | .....  |
| <i>Tetraethylammonium perchlorate (dry).</i>                                   | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| Tetraethylenepentamine .....   | 8         | UN2320 | III   | 8 .....   | IB3, T4, TP1                                     | 154 .....  | 203 ..... | 241 .....  | 5 L       | 60 L      | A  | 52.    |
| 1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a.                           | 2.2       | UN3159 | ..... | 2.2 ..... | T50  | 306 .....  | 304 ..... | 314, 315.  | 75 kg     | 150 kg    | A  | .....  |
| Tetrafluoroethylene, stabilized ...  | 2.1       | UN1081 | ..... | 2.1 ..... |  | 306 .....  | 304 ..... | None ..... | Forbidden | 150 kg    | E  | 40     |
| Tetrafluoromethane or Refrigerant gas R 14.                                    | 2.2       | UN1982 | ..... | 2.2 ..... |  | None ..... | 302 ..... | None ..... | 75 kg     | 150 kg    | A  | .....  |
| 1,2,3,6-Tetrahydrobenzaldehyde   | 3         | UN2498 | III   | 3 .....   | B1, IB3, T2, TP1                                 | 150 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A  | .....  |
| Tetrahydrofuran .....  | 3         | UN2056 | II    | 3 .....   | IB2, T4, TP1                                     | None ..... | 202 ..... | 242 .....  | 5 L       | 60 L      | B  | .....  |
| Tetrahydrofurfurylamine .....  | 3         | UN2943 | III   | 3 .....   | B1, IB3, T2, TP1                                 | 150 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A  | .....  |
| Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride. | 8         | UN2698 | III   | 8 .....   | IB8, IP3, T1, TP33                               | 154 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A  | .....  |
| 1,2,3,6-Tetrahydropyridine .....   | 3         | UN2410 | II    | 3 .....   | IB2, T4, TP1                                     | 150 .....  | 202 ..... | 242 .....  | 5 L       | 60 L      | B  | .....  |
| Tetrahydrothiophene .....  | 3         | UN2412 | II    | 3 .....   | IB2, T4, TP1                                     | 150 .....  | 202 ..... | 242 .....  | 5 L       | 60 L      | B  | .....  |
| Tetramethylammonium hydroxide, solid.  | 8         | UN3423 | II    | 8 .....   | B2, IB8, IP2, IP4, T3, TP33                      | 154 .....  | 213 ..... | 240 .....  | 15 kg     | 50 kg     | A  | 52     |
| Tetramethylammonium hydroxide solution.  | 8         | UN1835 | II    | 8 .....   | B2, IB2, T7, TP2                                 | 154 .....  | 202 ..... | 242 .....  | 1 L       | 30 L      | A  | 52     |
| .....  | Forbidden |        | III   | 8 .....   | B2, IB3, T7, TP2                                 | 154 .....  | 203 ..... | 241 .....  | 5 L       | 60 L      | A  | 52     |
| <i>Tetramethylene diperoxide dicarbamide.</i>                                  | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| Tetramethylsilane .....  | 3         | UN2749 | I     | 3 .....   | A7, T14, TP2                                     | None ..... | 201 ..... | 243 .....  | Forbidden | 30 L      | D  | .....  |
| <i>Tetranitro diglycerin</i> .....   | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| Tetranitroaniline .....  | 1.1D      | UN0207 | II    | 1.1D ..   |  | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | 10 | .....  |
| + Tetranitromethane .....  | 5.1       | UN1510 | I     | 5.1, 6.1. | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP44 | None ..... | 227 ..... | None ..... | Forbidden | Forbidden | D  | 40, 66 |
| 2,3,4,6-Tetranitrophenol .....   | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| 2,3,4,6-Tetranitrophenyl methyl nitramine.                                     | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| 2,3,4,6-Tetranitrophenylnitramine.   | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| <i>Tetranitrosorcinol (dry)</i> .....  | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| 2,3,5,6-Tetranitroso-1,4-dinitrobenzene.                                       | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| 2,3,5,6-Tetranitroso nitrobenzene (dry).                                       | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| Tetrapropylorthotitanate .....   | 3         | UN2413 | III   | 3 .....   | B1, IB3, T4, TP1                                 | 150 .....  | 203 ..... | 242 .....  | 60 L      | 220 L     | A  | .....  |
| Tetrazene, see Guanyl nitrosaminoguanyltetrazene.                              | .....     |        |       |           |  |            |           |            |           |           |    |        |
| <i>Tetrazine (dry)</i> .....   | Forbidden |        |       |           |  |            |           |            |           |           |    |        |
| Tetrazol-1-acetic acid .....   | 1.4C      | UN0407 | II    | 1.4C ..   |  | None ..... | 62 .....  | None ..... | Forbidden | 75 kg     | 09 | .....  |
| 1H-Tetrazole .....   | 1.1D      | UN0504 | ..... | 1.1D ..   |  | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | B  | 1E, 5E |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols   | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes             | Special provi- sions (§ 172.102) | (8)                   |           |        | (9)   |                       | (10)             |        |
|--|---|----------------------------|----------------------------|-----|-------------------------|----------------------------------|-----------------------|-----------|--------|---|-----------------------|------------------|--------|
|  |   |                            |                            |     |                         |                                  | Packaging (§ 173.***) |           |        | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|  |   |                            |                            |     |                         |                                  | Excep- tions          | Non- bulk | Bulk   | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
| A I<br>W   | <i>Tetrazolyl azide (dry)</i> .....   | Forbidden                  |                            |     |                         |                                  |                       |           |        |   |                       |                  |        |
|  | Tetryl, <i>see</i> Trinitrophenylmethylnitramine. ....  |                            |                            |     |                         |                                  |                       |           |        |   |                       |                  |        |
|  | Textile waste, wet .....  | 4.2                        | UN1857                     | III | 4.2                     |                                  | 151                   | 213       | 240    | Forbidden                                       | Forbidden             | A                |        |
|  | Thallium chlorate .....   | 5.1                        | UN2573                     | II  | 5.1, 6.1                | IB6, IP2, T3, TP33               | 152                   | 212       | 242    | 5 kg  | 25 kg                 | A                | 56, 58 |
|  | Thallium compounds, n.o.s. ....   | 6.1                        | UN1707                     | II  | 6.1                     | IB8, IP2, IP4, T3, TP33          | 153                   | 212       | 242    | 25 kg   | 100 kg                | A                |        |
|  | Thallium nitrate .....  | 6.1                        | UN2727                     | II  | 6.1, 5.1                | IB6, IP2, T3, TP33               | 153                   | 212       | 242    | 5 kg  | 25 kg                 | A                |        |
|  | 4-Thiapentanal .....  | 6.1                        | UN2785                     | III | 6.1                     | IB3, T4, TP1                     | 153                   | 203       | 241    | 60 L  | 220 L                 | D                | 25, 49 |
|  | Thioacetic acid .....   | 3                          | UN2436                     | II  | 3                       | IB2, T4, TP1                     | 150                   | 202       | 242    | 5 L   | 60 L                  | B                |        |
|  | Thiocarbamate pesticide, liquid, flammable, toxic, <i>flash point less than 23 degrees C.</i> .....     | 3                          | UN2772                     | I   | 3, 6.1                  | T14, TP2, TP13, TP27             | None                  | 201       | 243    | Forbidden                                       | 30 L                  | B                | 40     |
|  | .....   |                            |                            | II  | 3, 6.1                  | IB2, T11, TP13, TP27             | 150                   | 202       | 243    | 1 L   | 60 L                  | B                | 40     |
|  | Thiocarbamate pesticide, liquid, toxic, flammable, <i>flash point not less than 23 degrees C.</i> ..... | 6.1                        | UN3005                     | I   | 6.1, 3                  | T14, TP2, TP13                   | None                  | 201       | 243    | 1 L   | 30 L                  | B                | 40     |
|  | .....   |                            |                            | II  | 6.1, 3                  | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243    | 5 L   | 60 L                  | B                | 40     |
|  | .....   |                            |                            | III | 6.1, 3                  | IB3, T7, TP2, TP28               | 153                   | 203       | 242    | 60 L  | 220 L                 | A                | 40     |
|  | Thiocarbamate pesticide, liquid, toxic. ....  | 6.1                        | UN3006                     | I   | 6.1                     | T14, TP2, TP13                   | None                  | 201       | 243    | 1 L   | 30 L                  | B                | 40     |
|  | .....   |                            |                            | II  | 6.1                     | IB2, T11, TP2, TP13, TP27        | 153                   | 202       | 243    | 5 L   | 60 L                  | B                | 40     |
|  | .....   |                            |                            | III | 6.1                     | IB3, T7, TP2, TP28               | 153                   | 203       | 241    | 60 L  | 220 L                 | A                | 40     |
|  | Thiocarbamate pesticides, solid, toxic. ....  | 6.1                        | UN2771                     | I   | 6.1                     | IB7, IP1, T6, TP33               | None                  | 211       | 242    | 5 kg  | 50 kg                 | A                | 40     |
| .....  |   |                            | II                         | 6.1 | IB8, IP2, IP4, T3, TP33 | 153                              | 212                   | 242       | 25 kg  | 100 kg  | A                     | 40               |        |
| .....  |   |                            | III                        | 6.1 | IB8, IP3, T1, TP33      | 153                              | 213                   | 240       | 100 kg | 200 kg  | A                     | 40               |        |
| <i>Thiocarbonylchloride,</i> <i>see</i> Thiophosgene. .... |   |                            |                            |     |                         |                                  |                       |           |        |   |                       |                  |        |
| Thioglycol .....   | 6.1   | UN2966                     | II                         | 6.1 | IB2, T7, TP2            | 153                              | 202                   | 243       | 5 L    | 60 L  | A                     |                  |        |

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|--|-----|--------|-----|-----|--|------|-----|-----|-----------|-----------|---|--------|
| Thioglycolic acid .....  | 8   | UN1940 | II  | 8   | A7, B2, IB2, N34, T7, TP2                            | 154  | 202 | 242 | 1 L       | 30 L      | A | .....  |
| Thiolactic acid .....  | 6.1 | UN2936 | II  | 6.1 | IB2, T7, TP2   | 153  | 202 | 243 | 5 L       | 60 L      | A | .....  |
| Thionyl chloride .....   | 8   | UN1836 | I   | 8   | B6, B10, N34, T10, TP2, TP12, TP13                   | None | 201 | 243 | Forbidden | Forbidden | C | 40     |
| Thiophene .....  | 3   | UN2414 | II  | 3   | IB2, T4, TP1   | 150  | 202 | 242 | 5 L       | 60 L      | B | 40     |
| + Thiophosgene .....   | 6.1 | UN2474 | II  | 6.1 | 2, B9, B14, B32, B74, N33, N34, T20, TP2, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | B | 40, 52 |
| Thiophosphoryl chloride .....  | 8   | UN1837 | II  | 8   | A3, A7, B2, B8, B25, IB2, N34, T7, TP2               | None | 202 | 242 | Forbidden | 30 L      | C | 40     |
| Thiourea dioxide .....   | 4.2 | UN3341 | II  | 4.2 | IB6, IP2, T3, TP33                                   | None | 212 | 241 | 15 kg     | 50 kg     | D | .....  |
| .....  |     |        | III | 4.2 | IB8, IP3, T1, TP33                                   | None | 213 | 241 | 25 kg     | 100 kg    | D | .....  |
| <i>Tin chloride, fuming, see Stannic chloride, anhydrous.</i>  |     |        |     |     |  |      |     |     |           |           |   |        |
| <i>Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous.</i>  |     |        |     |     |  |      |     |     |           |           |   |        |
| Tinctures, medicinal .....   | 3   | UN1293 | II  | 3   | IB2, T4, TP1, TP8                                    | 150  | 202 | 242 | 5 L       | 60 L      | B | .....  |
| .....  |     |        | III | 3   | B1, IB3, T2, TP1                                     | 150  | 203 | 242 | 60 L      | 220 L     | A | .....  |
| <i>Tinning flux, see Zinc chloride ...</i>   |     |        |     |     |  |      |     |     |           |           |   |        |
| Tires and tire assemblies, see Air, compressed or Nitrogen, compressed.  |     |        |     |     |  |      |     |     |           |           |   |        |
| Titanium disulphide .....  | 4.2 | UN3174 | III | 4.2 | IB8, IP3, T1, TP33                                   | None | 213 | 241 | 25 kg     | 100 kg    | A | .....  |
| Titanium hydride .....   | 4.1 | UN1871 | II  | 4.1 | A19, A20, IB4, N34, T3, TP33                         | None | 212 | 241 | 15 kg     | 50 kg     | E | .....  |
| Titanium powder, dry .....   | 4.2 | UN2546 | I   | 4.2 |  | None | 211 | 242 | Forbidden | Forbidden | D | .....  |
| .....  |     |        | II  | 4.2 | A19, A20, IB6, IP2, N5, N34, T3, TP33                | None | 212 | 241 | 15 kg     | 50 kg     | D | .....  |
| .....  |     |        | III | 4.2 | IB8, IP3, T1, TP33                                   | None | 213 | 241 | 25 kg     | 100 kg    | D | .....  |
| Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns. | 4.1 | UN1352 | II  | 4.1 | A19, A20, IB6, IP2, N34, T3, TP33                    | None | 212 | 240 | 15 kg     | 50 kg     | E | 74     |
| Titanium sponge granules or Titanium sponge powders.   | 4.1 | UN2878 | III | 4.1 | A1, IB8, IP3, T1, TP33                               | None | 213 | 240 | 25 kg     | 100 kg    | D | 74     |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names  | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                          | (8)                   |           |           | (9)   |                       | (10)             |        |
|----------|--|----------------------------|----------------------------|-----|-------------|---|-----------------------|-----------|-----------|---|-----------------------|------------------|--------|
|          |  |                            |                            |     |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |        |
|          |  |                            |                            |     |             |   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other  |
| +        | Titanium tetrachloride .....   | 8                          | UN1838                     | II  | 8, 6.1      | 2, B7, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | C                | 40     |
|          | Titanium trichloride mixtures .....  | 8                          | UN2869                     | II  | 8 .....     | A7, IB8, IP2, IP4, N34, T3, TP33                          | 154 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                 | A                | 40     |
|          | .....  |                            |                            | III | 8 .....     | A7, IB8, IP3, N34, T1, TP33                               | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | 40     |
|          | Titanium trichloride, pyrophoric or Titanium trichloride mixtures, pyrophoric.   | 4.2                        | UN2441                     | I   | 4.2, 8      | N34   | None ....             | 181 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40     |
|          | <i>TNT mixed with aluminum, see Tritonal.</i>  |                            |                            |     |             |   |                       |           |           |   |                       |                  |        |
|          | <i>TNT, see Trinitrotoluene, etc</i> .....   |                            |                            |     |             |   |                       |           |           |   |                       |                  |        |
|          | Toluene .....  | 3                          | UN1294                     | II  | 3 .....     | IB2, T4, TP1  | 150 .....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                |        |
| +        | Toluene diisocyanate .....   | 6.1                        | UN2078                     | II  | 6.1 .....   | IB2, T7, TP2, TP13  | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | D                | 25, 40 |
|          | <i>Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc.</i>  |                            |                            |     |             |   |                       |           |           |   |                       |                  |        |
| +        | Toluidines, liquid .....   | 6.1                        | UN1708                     | II  | 6.1 .....   | IB2, T7, TP2  | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | A                |        |
|          | Toluidines, solid .....  | 6.1                        | UN3451                     | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33                                   | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg                | A                |        |
|          | 2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid.  | 6.1                        | UN1709                     | III | 6.1 .....   | IB8, IP3, T1, TP33  | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg                | A                |        |
|          | 2,4-Toluylenediamine solution or 2,4-Toluenediamine solution.  | 6.1                        | UN3418                     | III | 6.1 .....   | IB3, T4, TP1  | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                |        |
|          | Torpedoes, liquid fueled, with inert head.   | 1.3J                       | UN0450                     | II  | 1.3J ...    |   |                       | 62 .....  | None ...  | Forbidden                                       | Forbidden             | 04               | 23E    |
|          | Torpedoes, liquid fueled, with or without bursting charge.   | 1.1J                       | UN0449                     | II  | 1.1J ...    |   |                       | 62 .....  | None ...  | Forbidden                                       | Forbidden             | 04               | 23E    |
|          | Torpedoes with bursting charge   | 1.1E                       | UN0329                     | II  | 1.1E ...    |   |                       | 62 .....  | None ...  | Forbidden                                       | Forbidden             | 03               |        |
|          | Torpedoes with bursting charge   | 1.1F                       | UN0330                     | II  | 1.1F ...    |   |                       | 62 .....  | None ...  | Forbidden                                       | Forbidden             | 08               |        |
|          | Torpedoes with bursting charge   | 1.1D                       | UN0451                     | II  | 1.1D ..     |   |                       | 62 .....  | None ...  | Forbidden                                       | Forbidden             | 03               |        |
| G        | Toxic by inhalation liquid, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50. | 6.1                        | UN3381                     | I   | 6.1 .....   | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44    | None ....             | 226 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40     |

|   |  |     |        |   |           |  |           |           |           |           |           |   |    |
|---|--|-----|--------|---|-----------|--|-----------|-----------|-----------|-----------|-----------|---|----|
| G | Toxic by inhalation liquid, n.o.s. with an inhalation toxicity lower than or equal to 1000ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50.                  | 6.1 | UN3382 | I | 6.1 ..... | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic by inhalation liquid, flammable, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50.      | 6.1 | UN3383 | I | 6.1, 3    | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None .... | 226 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic by inhalation liquid, flammable, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50.      | 6.1 | UN3384 | I | 6.1, 3    | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic by inhalation liquid, water-reactive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50. | 6.1 | UN3385 | I | 6.1, 4.3. | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44       | None .... | 226 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic by inhalation liquid, water-reactive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50. | 6.1 | UN3386 | I | 6.1, 4.3. | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP44       | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic by inhalation liquid, oxidizing, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50.      | 6.1 | UN3387 | I | 6.1, 5.1. | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44       | None .... | 226 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic by inhalation liquid, oxidizing, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50.      | 6.1 | UN3388 | I | 6.1, 5.1. | 2, B9, B14, B32, T20, TP2, TP13, TP38, TP44            | None .... | 227 ..... | 244 ..... | Forbidden | Forbidden | D | 40 |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)                       | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|--|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |  | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |  | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
| G        | Toxic by inhalation liquid, corro- sive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration greater than or equal to 500 LC50. | 6.1                        | UN3389                     | I   | 6.1, 8      | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None ....             | 226 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40    |
| G        | Toxic by inhalation liquid, corro- sive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration greater than or equal to 10 LC50. | 6.1                        | UN3390                     | I   | 6.1, 8      | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 40    |
| G        | Toxic liquid, corrosive, inorganic, n.o.s..   | 6.1                        | UN3289                     | I   | 6.1, 8      | T14, TP2, TP13, TP27                                   | None ....             | 201 ..... | 243 ..... | 0.5 L   | 2.5 L                 | A                | ..... |
|          | .....   |                            |                            | II  | 6.1, 8      | IB2, T11, TP2, TP27                                    | 153 .....             | 202 ..... | 243 ..... | 1 L   | 30 L                  | A                | ..... |
| G        | Toxic liquid, inorganic, n.o.s. ....  | 6.1                        | UN3287                     | I   | 6.1 .....   | T14, TP2, TP13, TP27                                   | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | A                | ..... |
|          | .....   |                            |                            | II  | 6.1 .....   | IB2, T11, TP2, TP27                                    | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | A                | ..... |
|          | .....   |                            |                            | III | 6.1 .....   | IB3, T7, TP1, TP28                                     | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | ..... |
| G        | Toxic liquids, corrosive, organic, n.o.s..  | 6.1                        | UN2927                     | I   | 6.1, 8      | T14, TP2, TP13, TP27                                   | None ....             | 201 ..... | 243 ..... | 0.5 L   | 2.5 L                 | B                | 40    |
|          | .....   |                            |                            | II  | 6.1, 8      | IB2, T11, TP2, TP27                                    | 153 .....             | 202 ..... | 243 ..... | 1 L   | 30 L                  | B                | 40    |
| G        | Toxic liquids, flammable, or- ganic, n.o.s..  | 6.1                        | UN2929                     | I   | 6.1, 3      | T14, TP2, TP13, TP27                                   | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | B                | 40    |
|          | .....   |                            |                            | II  | 6.1, 3      | IB2, T11, TP2, TP13, TP27                              | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | B                | 40    |
| G        | Toxic, liquids, organic, n.o.s. ....  | 6.1                        | UN2810                     | I   | 6.1 .....   | T14, TP2, TP13, TP27                                   | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                  | B                | 40    |
|          | .....   |                            |                            | II  | 6.1 .....   | IB2, T11, TP2, TP13, TP27                              | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                  | B                | 40    |
|          | .....   |                            |                            | III | 6.1 .....   | IB3, T7, TP1, TP28                                     | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | A                | 40    |
| G        | Toxic liquids, oxidizing, n.o.s. ....   | 6.1                        | UN3122                     | I   | 6.1, 5.1.   | A4   | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 2.5 L                 | C                | ..... |
|          | .....   |                            |                            | II  | 6.1, 5.1.   | IB2  | 153 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | C                | ..... |

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|   |  |      |        |     |           |                             |      |      |           |           |        |       |       |
|---|--|------|--------|-----|-----------|-----------------------------|------|------|-----------|-----------|--------|-------|-------|
| G | Toxic liquids, water-reactive, n.o.s..                 | 6.1  | UN3123 | I   | 6.1, 4.3. | A4                          | None | 201  | 243       | Forbidden | 1 L    | E     | 40    |
|   |  |      |        | II  | 6.1, 4.3. | IB2                         | None | 202  | 243       | 1 L       | 5 L    | E     | 40    |
| G | Toxic solid, corrosive, inorganic, n.o.s..             | 6.1  | UN3290 | I   | 6.1, 8    | IB7, T6, TP33               | None | 211  | 242       | 1 kg      | 25 kg  | A     | ..... |
|   |  |      |        | II  | 6.1, 8    | IB6, IP2, T3, TP33          | 153  | 212  | 242       | 15 kg     | 50 kg  | A     | ..... |
| G | Toxic solid, inorganic, n.o.s. ....                    | 6.1  | UN3288 | I   | 6.1       | IB7, T6, TP33               | None | 211  | 242       | 5 kg      | 50 kg  | A     | ..... |
|   |  |      |        | II  | 6.1       | IB8, IP2, IP4, T3, TP33     | 153  | 212  | 242       | 25 kg     | 100 kg | A     | ..... |
|   |  |      |        | III | 6.1       | IB8, IP3, T1, TP33          | 153  | 213  | 240       | 100 kg    | 200 kg | A     | ..... |
| G | Toxic solids, corrosive, organic, n.o.s..              | 6.1  | UN2928 | I   | 6.1, 8    | IB7, T6, TP33               | None | 211  | 242       | 1 kg      | 25 kg  | B     | 40    |
|   |  |      |        | II  | 6.1, 8    | IB6, IP2, T3, TP33          | 153  | 212  | 242       | 15 kg     | 50 kg  | B     | 40    |
| G | Toxic solids, flammable, organic, n.o.s..              | 6.1  | UN2930 | I   | 6.1, 4.1. | IB6, T6, TP33               | None | 211  | 242       | 1 kg      | 15 kg  | B     | ..... |
|   |  |      |        | II  | 6.1, 4.1. | IB8, IP2, IP4, T3, TP33     | 153  | 212  | 242       | 15 kg     | 50 kg  | B     | ..... |
| G | Toxic solids, organic, n.o.s. ....                     | 6.1  | UN2811 | I   | 6.1       | IB7, T6, TP33               | None | 211  | 242       | 5 kg      | 50 kg  | B     | ..... |
|   |  |      |        | II  | 6.1       | IB8, IP2, IP4, T3, TP33     | 153  | 212  | 242       | 25 kg     | 100 kg | B     | ..... |
|   |  |      |        | III | 6.1       | IB8, IP3, T1, TP33          | 153  | 213  | 240       | 100 kg    | 200 kg | A     | ..... |
| G | Toxic solids, oxidizing, n.o.s. ....                   | 6.1  | UN3086 | I   | 6.1, 5.1. | T6, TP33                    | None | 211  | 242       | 1 kg      | 15 kg  | C     | ..... |
|   |  |      |        | II  | 6.1, 5.1. | IB6, IP2, T3, TP33          | 153  | 212  | 242       | 15 kg     | 50 kg  | C     | ..... |
| G | Toxic solids, self-heating, n.o.s.                     | 6.1  | UN3124 | I   | 6.1, 4.2. | A5, T6, TP33                | None | 211  | 242       | 5 kg      | 15 kg  | D     | 40    |
|   |  |      |        | II  | 6.1, 4.2. | IB6, IP2, T3, TP33          | None | 212  | 242       | 15 kg     | 50 kg  | D     | 40    |
| G | Toxic solids, water-reactive, n.o.s..                  | 6.1  | UN3125 | I   | 6.1, 4.3. | A5, T6, TP33                | None | 211  | 242       | 5 kg      | 15 kg  | D     | 40    |
|   |  |      |        | II  | 6.1, 4.3. | IB6, IP2, T3, TP33          | 153  | 212  | 242       | 15 kg     | 50 kg  | D     | 40    |
| G | Toxins, extracted from living sources, liquid, n.o.s.. | 6.1  | UN3172 | I   | 6.1       | 141                         | None | 201  | 243       | 1 L       | 30 L   | B     | 40    |
|   |  |      |        | II  | 6.1       | 141, IB2                    | None | 202  | 243       | 5 L       | 60 L   | B     | 40    |
| G | Toxins, extracted from living sources, solid, n.o.s..  | 6.1  | UN3462 | III | 6.1       | 141, IB3                    | 153  | 203  | 241       | 60 L      | 220 L  | B     | 40    |
|   |  |      |        | I   | 6.1       | 141, IB7, IP1, T6, TP33     | None | 211  | 243       | 5 kg      | 50 kg  | B     | ..... |
|   |  |      |        | II  | 6.1       | 141, IB8, IP2, IP4, T3 TP33 | None | 212  | 243       | 25 kg     | 100 kg | B     | ..... |
| D | Toy Caps .....   | 1.4S | NA0337 | III | 6.1       | 141, IB8, IP3, T1 TP33      | 153  | 213  | 241       | 100 kg    | 200 kg | A     | ..... |
|   |  |      |        | II  | 1.4S      | None                        | 62   | None | 25 kg     | 100 kg    | 05     | ..... |       |
| D | Tracers for ammunition .....                           | 1.3G | UN0212 | II  | 1.3G      | None                        | 62   | None | Forbidden | Forbidden | 07     | ..... |       |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di-vision | Identifica-tion Num-bers | PG  | Label Codes | Special provi-sions (§ 172.102)   | (8)                   |           |           | (9)   |                      | (10)            |       |
|----------|---|---------------------------|--------------------------|-----|-------------|-----------------------------------|-----------------------|-----------|-----------|---|----------------------|-----------------|-------|
|          |   |                           |                          |     |             |                                   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                      | Vessel stow-age |       |
|          |   |                           |                          |     |             |                                   | Excep-tions           | Non-bulk  | Bulk      | Passenger aircraft/rail                         | Cargo air-craft only | Loca-tion       | Other |
|          | Tracers for ammunition .....  | 1.4G                      | UN0306                   | II  | 1.4G ..     |                                   | None ....             | 62 .....  | None .... | Forbidden                                       | 75 kg                | 06              | ..... |
|          | Tractors, see Vehicle, etc .....  |                           |                          |     |             |                                   | .....                 | .....     | .....     | .....   | .....                |                 | ..... |
|          | Tri-(b-nitroxyethyl) ammonium nitrate.  | Forbidden                 |                          |     |             |                                   | .....                 | .....     | .....     | .....   | .....                |                 | ..... |
|          | Triallyl borate .....   | 6.1                       | UN2609                   | III | 6.1 .....   | IB3                               | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                | A               | 13    |
|          | Triallylamine .....   | 3                         | UN2610                   | III | 3, 8 .....  | B1, IB3, T4, TP1                  | None ....             | 203 ..... | 242 ..... | 5 L   | 60 L                 | A               | 40    |
|          | Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.                                | 3                         | UN2764                   | I   | 3, 6.1      | T14, TP2, TP13, TP27              | None ....             | 201 ..... | 243 ..... | Forbidden                                       | 30 L                 | B               | 40    |
|          | .....   |                           |                          | II  | 3, 6.1      | IB2, T11, TP2, TP13, TP27         | 150 .....             | 202 ..... | 243 ..... | 1 L   | 60 L                 | B               | 40    |
|          | Triazine pesticides, liquid, toxic  | 6.1                       | UN2998                   | I   | 6.1 .....   | T14, TP2, TP13, TP27              | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                 | B               | 40    |
|          | .....   |                           |                          | II  | 6.1 .....   | IB2, T11, TP2, TP13, TP27         | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                 | B               | 40    |
|          | .....   |                           |                          | III | 6.1 .....   | IB3, T7, TP2, TP28                | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                | A               | 40    |
|          | Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.                            | 6.1                       | UN2997                   | I   | 6.1, 3      | T14, TP2, TP13, TP27              | None ....             | 201 ..... | 243 ..... | 1 L   | 30 L                 | B               | 40    |
|          | .....   |                           |                          | II  | 6.1, 3      | IB2, T11, TP2, TP13, TP27         | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                 | B               | 40    |
|          | .....   |                           |                          | III | 6.1, 3      | IB3, T7, TP2, TP28                | 153 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                | A               | 40    |
|          | Triazine pesticides, solid, toxic ..  | 6.1                       | UN2763                   | I   | 6.1 .....   | IB7, IP1, T6, TP33                | None ....             | 211 ..... | 242 ..... | 5 kg  | 50 kg                | A               | 40    |
|          | .....   |                           |                          | II  | 6.1 .....   | IB8, IP2, IP4, T3, TP33           | 153 .....             | 212 ..... | 242 ..... | 25 kg   | 100 kg               | A               | 40    |
|          | .....   |                           |                          | III | 6.1 .....   | IB8, IP3, T1, TP33                | 153 .....             | 213 ..... | 240 ..... | 100 kg  | 200 kg               | A               | 40    |
|          | Tributylamine .....   | 6.1                       | UN2542                   | II  | 6.1 .....   | IB2, T7, TP2                      | 153 .....             | 202 ..... | 243 ..... | 5 L   | 60 L                 | A               | ..... |
|          | Tributylphosphane .....   | 4.2                       | UN3254                   | I   | 4.2 .....   | T21, TP7, TP33                    | None ....             | 211 ..... | 242 ..... | Forbidden                                       | Forbidden            | D               | 136   |
|          | Trichloro-s-triazinetrione dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry. |                           |                          |     |             |                                   | .....                 | .....     | .....     | .....   | .....                |                 | ..... |
|          | Trichloroacetic acid .....  | 8                         | UN1839                   | II  | 8 .....     | A7, IB8, IP2, IP4, N34, T3, TP33  | 154 .....             | 212 ..... | 240 ..... | 15 kg   | 50 kg                | A               | ..... |
|          | Trichloroacetic acid, solution .....  | 8                         | UN2564                   | II  | 8 .....     | A3, A6, A7, B2, IB2, N34, T7, TP2 | 154 .....             | 202 ..... | 242 ..... | 1 L   | 30 L                 | B               | ..... |



|   |   |            |     |           |  |      |      |           |           |           |   |                     |
|---|---|------------|-----|-----------|--|------|------|-----------|-----------|-----------|---|---------------------|
|   |   |            | III | 8         | A3, A6, A7, IB3, N34, T4, TP1                          | 154  | 203  | 241       | 5 L       | 60 L      | B | 8                   |
| + | Trichloroacetyl chloride  | 8 UN2442   | II  | 8, 6.1    | 2, B9, B14, B32, B74, N34, T20, TP2, TP38, TP45        | None | 227  | 244       | Forbidden | Forbidden | D | 40                  |
|   | Trichlorobenzenes, liquid   | 6.1 UN2321 | III | 6.1       | IB3, T4, TP1   | 153  | 203  | 241       | 60 L      | 220 L     | A | 25, 40              |
|   | Trichlorobutene   | 6.1 UN2322 | II  | 6.1       | IB2, T7, TP2   | 153  | 202  | 243       | 5 L       | 60 L      | A | 40                  |
|   | 1,1,1-Trichloroethane   | 6.1 UN2831 | III | 6.1       | IB3, N36, T4, TP1                                      | 153  | 203  | 241       | 60 L      | 220 L     | A | 40                  |
|   | Trichloroethylene   | 6.1 UN1710 | III | 6.1       | IB3, N36, T4, TP1                                      | 153  | 203  | 241       | 60 L      | 220 L     | A | 40                  |
|   | Trichloroisocyanuric acid, dry                                    | 5.1 UN2468 | II  | 5.1       | IB8, IP4, T3, TP33                                     | 152  | 212  | 240       | 5 kg      | 25 kg     | A | 13                  |
|   | <i>Trichloromethyl perchlorate</i>                                | Forbidden  |     |           |  |      |      |           |           |           |   |                     |
|   | Trichlorosilane   | 4.3 UN1295 | I   | 4.3, 3, 8 | N34, T14, TP2, TP7, TP13                               | None | 201  | 244       | Forbidden | Forbidden | D | 21, 28, 40, 49, 100 |
|   | Tricresyl phosphate <i>with more than 3 percent ortho isomer.</i> | 6.1 UN2574 | II  | 6.1       | A3, IB2, N33, N34, T7, TP2                             | 153  | 202  | 243       | 5 L       | 60 L      | A | 40                  |
|   | Triethyl phosphite  | 3 UN2323   | III | 3         | B1, IB3, T2, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A | 40                  |
|   | Triethylamine   | 3 UN1296   | II  | 3, 8      | IB2, T7, TP1   | 150  | 202  | 243       | 1 L       | 5 L       | B | 40, 52              |
|   | Triethylenetetramine  | 8 UN2259   | II  | 8         | B2, IB2, T7, TP2                                       | 154  | 202  | 242       | 1 L       | 30 L      | B | 12, 40              |
|   | Trifluoroacetic acid  | 8 UN2699   | I   | 8         | A3, A6, A7, B4, N3, N34, N36, T10, TP2, TP12           | None | 201  | 243       | 0.5 L     | 2.5 L     | B | 40                  |
|   | Trifluoroacetyl chloride  | 2.3 UN3057 |     | 2.3, 8    | 2, B7, B9, B14, T50, TP21                              | None | 304  | 314, 315. | Forbidden | Forbidden | D | 40                  |
|   | Trifluorochloroethylene, stabilized.                              | 2.3 UN1082 |     | 2.3, 2.1. | 3, B14, T50  | None | 304  | 314, 315. | Forbidden | Forbidden | D | 40                  |
|   | Trifluoromethane or Refrigerant gas R 23.                         | 2.2 UN1984 |     | 2.2       |  | 306  | 304  | 314, 315. | 75 kg     | 150 kg    | A | 40                  |
|   | Trifluoromethane, refrigerated liquid.                            | 2.2 UN3136 |     | 2.2       | T75, TP5   | 306  | None | 314, 315. | 50 kg     | 500 kg    | D | 40                  |
|   | 1,1,1-Trifluoroethane or Refrigerant gas, R 143a.                 | 2.1 UN2035 |     | 2.1       | T50  | 306  | 304  | 314, 315. | Forbidden | 150 kg    | B | 40                  |
|   | 2-Trifluoromethylaniline  | 6.1 UN2942 | III | 6.1       | IB3  | 153  | 203  | 241       | 60 L      | 220 L     | A | 40                  |
|   | 3-Trifluoromethylaniline  | 6.1 UN2948 | II  | 6.1       | IB2, T7, TP2   | 153  | 202  | 243       | 5 L       | 60 L      | A | 40                  |
|   | <i>Triformoxime trinitrate</i>                                    | Forbidden  |     |           |  |      |      |           |           |           |   |                     |
|   | Triisobutylene  | 3 UN2324   | III | 3         | B1, IB3, T4, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A | 40                  |
|   | Triisopropyl borate   | 3 UN2616   | II  | 3         | IB2, T4, TP1   | 150  | 202  | 242       | 5 L       | 60 L      | A | 40                  |
|   |   |            | III | 3         | B1, IB3, T2, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A | 40                  |
| D | Trimethoxysilane  | 6.1 NA9269 | I   | 6.1, 3    | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227  | 244       | Forbidden | Forbidden | E | 40                  |
|   | Trimethyl borate  | 3 UN2416   | II  | 3         | IB2, T7, TP1   | 150  | 202  | 242       | 5 L       | 60 L      | B | 40                  |
|   | Trimethyl phosphite   | 3 UN2329   | III | 3         | B1, IB3, T2, TP1                                       | 150  | 203  | 242       | 60 L      | 220 L     | A | 40                  |
|   | <i>1,3,5-Trimethyl-2,4,6-trinitrobenzene.</i>                     | Forbidden  |     |           |  |      |      |           |           |           |   |                     |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                                    | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102)                          | (8)                   |           |           | (9)   |                       | (10)             |         |
|----------|--|----------------------------|----------------------------|-------|-------------|---|-----------------------|-----------|-----------|---|-----------------------|------------------|---------|
|          |  |                            |                            |       |             |   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |         |
|          |  |                            |                            |       |             |   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other   |
|          | Trimethylacetyl chloride .....   | 6.1                        | UN2438                     | I     | 6.1, 8, 3.  | 2, B3, B9, B14, B32, B74, N34, T20, TP2, TP13, TP38, TP45 | None ....             | 227 ..... | 244 ..... | Forbidden                                       | Forbidden             | D                | 25, 40  |
|          | Trimethylamine, anhydrous .....  | 2.1                        | UN1083                     | ..... | 2.1 .....   | N87, T50  | 306 .....             | 304 ..... | 314, 315. | Forbidden                                       | 150 kg                | B                | 40      |
|          | Trimethylamine, aqueous solu- tions with not more than 50 percent trimethylamine by mass. .... | 3                          | UN1297                     | I     | 3, 8 .....  | T11, TP1  | None ....             | 201 ..... | 243 ..... | 0.5 L   | 2.5 L                 | D                | 40, 135 |
|          | .....  |                            |                            | II    | 3, 8 .....  | B1, IB2, T7, TP1  | 150 .....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | B                | 40, 41  |
|          | .....  |                            |                            | III   | 3, 8 .....  | B1, IB3, T7, TP1  | 150 .....             | 203 ..... | 242 ..... | 5 L   | 60 L                  | A                | 40, 41  |
|          | 1,3,5-Trimethylbenzene .....   | 3                          | UN2325                     | III   | 3 .....     | B1, IB3, T2, TP1  | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | A                | .....   |
|          | Trimethylchloro-silane .....   | 3                          | UN1298                     | II    | 3, 8 .....  | A3, A7, B77, IB2, N34, T7, TP2, TP13                      | None ....             | 202 ..... | 243 ..... | 1 L   | 5 L                   | E                | 40.     |
|          | Trimethylcyclohexylamine .....   | 8                          | UN2326                     | III   | 8 .....     | IB3, T4, TP1  | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | .....   |
|          | <i>Trimethylene glycol diperchlorate.</i> .....  | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | Trimethylhexamethylene diisocyanate. ....  | 6.1                        | UN2328                     | III   | 6.1 .....   | IB3, T4, TP2, TP13  | 153 .....             | 203 ..... | 241 ..... | 60 L  | 220 L                 | B                | .....   |
|          | Trimethylhexamethylenediamin- es. ....   | 8                          | UN2327                     | III   | 8 .....     | IB3, T4, TP1  | 154 .....             | 203 ..... | 241 ..... | 5 L   | 60 L                  | A                | .....   |
|          | <i>Trimethylol nitromethane trinitrate.</i> .....  | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | Trinitro-meta-cresol .....   | 1.1D                       | UN0216                     | II    | 1.1D ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | 5E      |
|          | 2,4,6-Trinitro-1,3-diazobenzene .....  | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | 2,4,6-Trinitro-1,3,5-triazido ben- zene (dry). ....  | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | Trinitroacetic acid .....  | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | Trinitroacetonitrile .....   | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | Trinitroamine cobalt .....   | Forbidden                  |                            |       |             |   |                       |           |           |   |                       |                  |         |
|          | Trinitroaniline or Picramide .....   | 1.1D                       | UN0153                     | II    | 1.1D ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | .....   |
|          | Trinitroanisole .....  | 1.1D                       | UN0213                     | II    | 1.1D ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | .....   |
|          | Trinitrobenzene, wetted, with not less than 10% water, by mass. ....                           | 4.1                        | UN3367                     | I     | 4.1 .....   | 162, A8, A19, N41, N84                                    | None ....             | 211 ..... | None .... | 0.5 kg  | 0.5 kg                | E                | 36      |
|          | Trinitrobenzene, dry or wetted with less than 30 percent water, by mass. ....                  | 1.1D                       | UN0214                     | II    | 1.1D ..     |   | None ....             | 62 .....  | None .... | Forbidden                                       | Forbidden             | 10               | .....   |

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|---|-----------|--------|----|------|-------|------------------------|------|-------|-----|-------|------|-------|-----------|-----------|----|--------|
| Trinitrobenzene, wetted with not less than 30 percent water, by mass.   | 4.1       | UN1354 | I  | 4.1  | ..... | 23, A2, A8, A19, N41   | None | ..... | 211 | ..... | None | ..... | 0.5 kg    | 0.5 kg    | E  | 28     |
| Trinitrobenzenesulfonic acid  | 1.1D      | UN0386 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | 5E     |
| Trinitrobenzoic acid, dry or wetted with less than 30 percent water, by mass.   | 1.1D      | UN0215 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | .....  |
| Trinitrobenzoic acid, wetted with not less than 10% water by mass.  | 4.1       | UN3368 | I  | 4.1  | ..... | 162, A8, A19, N41, N84 | None | ..... | 211 | ..... | None | ..... | 0.5 kg    | 0.5 kg    | E  | 36     |
| Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass.  | 4.1       | UN1355 | I  | 4.1  | ..... | 23, A2, A8, A19, N41   | None | ..... | 211 | ..... | None | ..... | 0.5 kg    | 0.5 kg    | E  | 28     |
| Trinitrochlorobenzene or Picryl chloride.   | 1.1D      | UN0155 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | .....  |
| Trinitrochlorobenzene (picryl chloride), wetted, with not less than 10% water by mass.  | 4.1       | UN3365 | I  | 4.1  | ..... | 162, A8, A19, N41, N84 | None | ..... | 211 | ..... | None | ..... | 0.5 kg    | 0.5 kg    | E  | 36     |
| Trinitroethanol   | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| Trinitroethylnitrate  | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| Trinitrofluorenone  | 1.1D      | UN0387 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | .....  |
| Trinitromethane   | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| 1,3,5-Trinitronaphthalene   | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| Trinitronaphthalene   | 1.1D      | UN0217 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | .....  |
| Trinitrophenetole   | 1.1D      | UN0218 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | .....  |
| Trinitrophenol (picric acid), wetted, with not less than 10 percent water by mass.  | 4.1       | UN3364 | I  | 4.1  | ..... | 162, A8, A19, N41, N84 | None | ..... | 211 | ..... | None | ..... | 0.5 kg    | 0.5 kg    | E  | 36     |
| Trinitrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass.  | 1.1D      | UN0154 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | 5E     |
| Trinitrophenol, wetted with not less than 30 percent water, by mass.  | 4.1       | UN1344 | I  | 4.1  | ..... | 23, A8, A19, N41       | None | ..... | 211 | ..... | None | ..... | 1 kg      | 15 kg     | E  | 28, 36 |
| 2,4,6-Trinitrophenyl guanidine (dry).   | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| 2,4,6-Trinitrophenyl nitramine  | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| 2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry).   | Forbidden |        |    |      |       |                        |      |       |     |       |      |       |           |           |    |        |
| Trinitrophenylmethyl nitramine or Tetryl.   | 1.1D      | UN0208 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | .....  |
| Trinitroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass. | 1.1D      | UN0219 | II | 1.1D | ..    |                        | None | ..... | 62  | ..... | None | ..... | Forbidden | Forbidden | 10 | 5E     |



|   |      |        |                 |  |           |           |           |           |           |    |        |
|---|------|--------|-----------------|--|-----------|-----------|-----------|-----------|-----------|----|--------|
| Turpentine substitute .....   | 3    | UN1300 | I 3 .....       | T11, TP1, TP8, TP27                    | None .... | 201 ..... | 243 ..... | 1 L       | 30 L      | B  | .....  |
| .....   |      |        | II 3 .....      | IB2, T4, TP1                           | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | B  | .....  |
| .....   |      |        | III 3 .....     | B1, IB3, T2, TP1                       | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A  | .....  |
| Undecane .....  | 3    | UN2330 | III 3 .....     | B1, IB3, T2, TP1                       | 150 ..... | 203 ..... | 242 ..... | 60 L      | 220 L     | A  | .....  |
| Urea hydrogen peroxide .....  | 5.1  | UN1511 | III 5.1, 8      | A1, A7, A29, IB8, IP3, T1, TP33        | 152 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | 13     |
| Urea nitrate, dry or wetted with less than 20 percent water, by mass. | 1.1D | UN0220 | II 1.1D ..      | 119                                    | None .... | 62 .....  | None .... | Forbidden | Forbidden | 10 | .....  |
| Urea nitrate, wetted, with not less than 10 percent water by mass.    | 4.1  | UN3370 | I 4.1 .....     | 162, A8, A19, N41, N84                 | None .... | 211 ..... | None .... | 0.5 kg    | 0.5 kg    | E  | 36     |
| Urea nitrate, wetted with not less than 20 percent water, by mass.    | 4.1  | UN1357 | I 4.1 .....     | 23, 39, A8, A19, N41                   | None .... | 211 ..... | None .... | 1 kg      | 15 kg     | E  | 28, 36 |
| Urea peroxide, see Urea hydrogen peroxide.                            |      |        |                 |  |           |           |           |           |           |    |        |
| Valeraldehyde .....   | 3    | UN2058 | II 3 .....      | IB2, T4, TP1                           | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | B  | .....  |
| Valeric acid, see Corrosive liquids, n.o.s.                           |      |        |                 |  |           |           |           |           |           |    |        |
| Valeryl chloride .....  | 8    | UN2502 | II 8, 3 ...     | A3, A6, A7, B2, IB2, N34, T7, TP2      | 154 ..... | 202 ..... | 243 ..... | 1 L       | 30 L      | C  | 40     |
| Vanadium compound, n.o.s. ....  | 6.1  | UN3285 | I 6.1 .....     | IB7, IP1, T6, TP33                     | None .... | 211 ..... | 242 ..... | 5 kg      | 50 kg     | B  | .....  |
| .....   |      |        | II 6.1 .....    | IB8, IP2, IP4, T3, TP33                | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | B  | .....  |
| .....   |      |        | III 6.1 .....   | IB8, IP3, T1, TP33                     | 153 ..... | 213 ..... | 240 ..... | 100 kg    | 200 kg    | A  | .....  |
| Vanadium oxytrichloride .....   | 8    | UN2443 | II 8 .....      | A3, A6, A7, B2, B16, IB2, N34, T7, TP2 | 154 ..... | 202 ..... | 242 ..... | Forbidden | 30 L      | C  | 40     |
| Vanadium pentoxide, non-fused form.                                   | 6.1  | UN2862 | III 6.1 .....   | IB8, IP3, T1, TP33                     | 153 ..... | 213 ..... | 240 ..... | 100 kg    | 200 kg    | A  | 40     |
| Vanadium tetrachloride .....  | 8    | UN2444 | I 8 .....       | A3, A6, A7, B4, N34, T10, TP2          | None .... | 201 ..... | 243 ..... | Forbidden | 2.5 L     | C  | 40     |
| Vanadium trichloride .....  | 8    | UN2475 | III 8 .....     | IB8, IP3, T1, TP33                     | 154 ..... | 213 ..... | 240 ..... | 25 kg     | 100 kg    | A  | 40     |
| Vanadyl sulfate .....   | 6.1  | UN2931 | II 6.1 .....    | IB8, IP2, IP4, T3, TP33                | 153 ..... | 212 ..... | 242 ..... | 25 kg     | 100 kg    | A  | .....  |
| Vehicle, flammable gas powered  | 9    | UN3166 | ..... 9 .....   | 135, 157                               | 220 ..... | 220 ..... | 220 ..... | Forbidden | No limit  | A  | .....  |
| Vehicle, flammable liquid powered.                                    | 9    | UN3166 | ..... 9 .....   | 135, 157                               | 220 ..... | 220 ..... | 220 ..... | No limit  | No limit  | A  | .....  |
| Very signal cartridge, see Cartridges, signal.                        |      |        |                 |  |           |           |           |           |           |    |        |
| Vinyl acetate, stabilized .....                                       | 3    | UN1301 | II 3 .....      | IB2, T4, TP1                           | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | B  | .....  |
| Vinyl bromide, stabilized .....                                       | 2.1  | UN1085 | ..... 2.1 ..... | N86, T50                               | 306 ..... | 304 ..... | 314, 315. | Forbidden | 150 kg    | B  | 40     |
| Vinyl butyrate, stabilized .....                                      | 3    | UN2838 | II 3 .....      | IB2, T4, TP1                           | 150 ..... | 202 ..... | 242 ..... | 5 L       | 60 L      | B  | .....  |

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| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |           |            | (9)   |                       | (10)             |             |
|----------|---|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|-----------|------------|---|-----------------------|------------------|-------------|
|          |   |                            |                            |       |             |                                  | Packaging (§ 173.***) |           |            | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |             |
|          |   |                            |                            |       |             |                                  | Excep- tions          | Non- bulk | Bulk       | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other       |
|          | Vinyl chloride, stabilized .....                            | 2.1                        | UN1086                     | ..... | 2.1 .....   | 21, B44, N86, T50                | 306 .....             | 304 ..... | 314, 315.  | Forbidden                                       | 150 kg                | B                | 40          |
|          | Vinyl chloroacetate .....                                   | 6.1                        | UN2589                     | II    | 6.1, 3      | IB2, T7, TP2                     | 153 .....             | 202 ..... | 243 .....  | 5 L   | 60 L                  | A                | .....       |
|          | Vinyl ethyl ether, stabilized .....                         | 3                          | UN1302                     | I     | 3 .....     | A3, T11, TP2                     | None .....            | 201 ..... | 243 .....  | 1 L   | 30 L                  | D                | .....       |
|          | Vinyl fluoride, stabilized .....                            | 2.1                        | UN1860                     | ..... | 2.1 .....   | N86                              | 306 .....             | 304 ..... | 314, 315.  | Forbidden                                       | 150 kg                | E                | 40          |
|          | Vinyl isobutyl ether, stabilized ...                        | 3                          | UN1304                     | II    | 3 .....     | IB2, T4, TP1                     | 150 .....             | 202 ..... | 242 .....  | 5 L   | 60 L                  | B                | .....       |
|          | Vinyl methyl ether, stabilized .....                        | 2.1                        | UN1087                     | ..... | 2.1 .....   | B44, T50                         | 306 .....             | 304 ..... | 314, 315.  | Forbidden                                       | 150 kg                | B                | 40          |
|          | Vinyl nitrate polymer .....                                 | Forbidden                  |                            |       |             |                                  |                       |           |            |   |                       |                  |             |
|          | Vinylidene chloride, stabilized ....                        | 3                          | UN1303                     | I     | 3 .....     | T12, TP2, TP7                    | 150 .....             | 201 ..... | 243 .....  | 1 L   | 30 L                  | E                | 40          |
|          | Vinylpyridines, stabilized .....                            | 6.1                        | UN3073                     | II    | 6.1, 3, 8.  | IB1, T7, TP2, TP13               | 153 .....             | 202 ..... | 243 .....  | 1 L   | 30 L                  | B                | 21, 40, 52. |
|          | Vinyltoluenes, stabilized .....                             | 3                          | UN2618                     | III   | 3 .....     | B1, IB3, T2, TP1                 | 150 .....             | 203 ..... | 242 .....  | 60 L  | 220 L                 | A                | .....       |
|          | Vinyltrichlorosilane, stabilized ....                       | 3                          | UN1305                     | I     | 3, 8 .....  | A3, A7, B6, N34, T11, TP2, TP13  | None .....            | 201 ..... | 243 .....  | Forbidden                                       | 2.5 L                 | B                | 40          |
|          | Warheads, rocket with burster or expelling charge.          | 1.4D                       | UN0370                     | II    | 1.4D ..     |                                  | None .....            | 62 .....  | None ..... | Forbidden                                       | 75 kg                 | 02               | .....       |
|          | Warheads, rocket with burster or expelling charge.          | 1.4F                       | UN0371                     | II    | 1.4F ...    |                                  | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 08               | .....       |
|          | Warheads, rocket with bursting charge.                      | 1.1D                       | UN0286                     | II    | 1.1D ..     |                                  | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 03               | .....       |
|          | Warheads, rocket with bursting charge.                      | 1.2D                       | UN0287                     | II    | 1.2D ..     |                                  | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 03               | .....       |
|          | Warheads, rocket with bursting charge.                      | 1.1F                       | UN0369                     | II    | 1.1F ...    |                                  | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 08               | .....       |
|          | Warheads, torpedo with bursting charge.                     | 1.1D                       | UN0221                     | II    | 1.1D ..     |                                  | None .....            | 62 .....  | None ..... | Forbidden                                       | Forbidden             | 03               | .....       |
| G        | Water-reactive liquid, corrosive, n.o.s..                   | 4.3                        | UN3129                     | I     | 4.3, 8      |                                  | None .....            | 201 ..... | 243 .....  | Forbidden                                       | 1 L                   | D                | .....       |
|          | .....   |                            |                            | II    | 4.3, 8      | IB1                              | None .....            | 202 ..... | 243 .....  | 1 L   | 5 L                   | E                | 85          |
|          | .....   |                            |                            | III   | 4.3, 8      | IB2                              | None .....            | 203 ..... | 242 .....  | 5 L   | 60 L                  | E                | .....       |
| G        | Water-reactive liquid, n.o.s. ....                          | 4.3                        | UN3148                     | I     | 4.3 .....   |                                  | None .....            | 201 ..... | 244 .....  | Forbidden                                       | 1 L                   | E                | 40          |
|          | .....   |                            |                            | II    | 4.3 .....   | IB1                              | None .....            | 202 ..... | 243 .....  | 1 L   | 5 L                   | E                | 40          |
|          | .....   |                            |                            | III   | 4.3 .....   | IB2                              | None .....            | 203 ..... | 242 .....  | 5 L   | 60 L                  | E                | 40          |
| G        | Water-reactive liquid, toxic, n.o.s..                       | 4.3                        | UN3130                     | I     | 4.3, 6.1.   | A4                               | None .....            | 201 ..... | 243 .....  | Forbidden                                       | 1 L                   | D                | .....       |
|          | .....   |                            |                            | II    | 4.3, 6.1.   | IB1                              | None .....            | 202 ..... | 243 .....  | 1 L   | 5 L                   | E                | 85          |
|          | .....   |                            |                            | III   | 4.3, 6.1.   | IB2                              | None .....            | 203 ..... | 242 .....  | 5 L   | 60 L                  | E                | 85          |

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|----------|---|---|--------|--------|-----------|------------------------|------------------------------|------|-----|-----------|-----------|--------|-------|
| G        | Water-reactive solid, corrosive, n.o.s. | 4.3   | UN3131 | I      | 4.3, 8    | IB4, IP1, N40          | None                         | 211  | 242 | Forbidden | 15 kg     | D      | ..... |
|          | .....                                   | .....   | .....  | II     | 4.3, 8    | IB6, IP2, T3, TP33     | 151                          | 212  | 242 | 15 kg     | 50 kg     | E      | 85    |
|          | .....                                   | .....   | .....  | III    | 4.3, 8    | IB8, IP4, T1, TP33     | 151                          | 213  | 241 | 25 kg     | 100 kg    | E      | 85    |
|          | .....                                   | .....   | .....  | I      | 4.3, 4.1. | IB4, N40               | None                         | 211  | 242 | Forbidden | 15 kg     | D      | ..... |
|          | .....                                   | .....   | .....  | II     | 4.3, 4.1. | IB4, T3, TP33          | 151                          | 212  | 242 | 15 kg     | 50 kg     | E      | ..... |
|          | .....                                   | .....   | .....  | III    | 4.3, 4.1. | IB6, T1, TP33          | 151                          | 213  | 241 | 25 kg     | 100 kg    | E      | ..... |
|          | .....                                   | .....   | .....  | I      | 4.3       | IB4, N40               | None                         | 211  | 242 | Forbidden | 15 kg     | E      | 40    |
|          | .....                                   | .....   | .....  | II     | 4.3       | IB7, IP2, T3, TP33     | 151                          | 212  | 242 | 15 kg     | 50 kg     | E      | 40    |
|          | .....                                   | .....   | .....  | III    | 4.3       | IB8, IP4, T1, TP33     | 151                          | 213  | 241 | 25 kg     | 100 kg    | E      | 40    |
|          | .....                                   | .....   | .....  | II     | 4.3, 5.1. |                        | None                         | 214  | 214 | Forbidden | Forbidden | E      | 40    |
|          | .....                                   | .....   | .....  | III    | 4.3, 5.1. |                        | None                         | 214  | 214 | Forbidden | Forbidden | E      | 40    |
|          | .....                                   | .....   | .....  | I      | 4.3, 4.2. | N40                    | None                         | 211  | 242 | Forbidden | 15 kg     | E      | ..... |
|          | .....                                   | .....   | .....  | II     | 4.3, 4.2. | IB5, IP2, T3, TP33     | None                         | 212  | 242 | 15 kg     | 50 kg     | E      | ..... |
|          | .....                                   | .....   | .....  | III    | 4.3, 4.2. | IB8, IP4, T1, TP33     | None                         | 213  | 241 | 25 kg     | 100 kg    | E      | ..... |
|          | G                                       | Water-reactive solid, toxic, n.o.s.   | 4.3    | UN3134 | I         | 4.3, 6.1.              | A8, IB4, IP1, N40            | None | 211 | 242       | Forbidden | 15 kg  | D     |
| .....    |   | .....   | .....  | II     | 4.3, 6.1. | IB5, IP2, T3, TP33     | 151                          | 212  | 242 | 15 kg     | 50 kg     | E      | 85    |
| .....    |   | .....   | .....  | III    | 4.3, 6.1. | IB8, IP4, T1, TP33     | 151                          | 213  | 241 | 25 kg     | 100 kg    | E      | 85    |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| .....    |   | .....   | .....  |        | .....     |                        |                              |      |     |           |           |        | ..... |
| I        |   | White asbestos ( <i>chrysotile, actinolite, anthophyllite, tremolite</i> ). | 9      | UN2590 | III       | 9                      | 156, IB8, IP2, IP3, T1, TP33 | 155  | 216 | 240       | 200 kg    | 200 kg | A     |
|          | Wood preservatives, liquid              | 3   | UN1306 | II     | 3         | 149, IB2, T4, TP1, TP8 | 150                          | 202  | 242 | 5 L       | 60 L      | B      | ..... |
|          | .....                                   | .....   | .....  | III    | 3         | B1, IB3, T2, TP1       | 150                          | 203  | 242 | 60 L      | 220 L     | A      | 40    |
| A I<br>W | Wool waste, wet                         | 4.2   | UN1387 | III    | 4.2       |                        | 151                          | 213  | 240 | Forbidden | Forbidden | A      | ..... |
|          | Xanthates                               | 4.2   | UN3342 | II     | 4.2       | IB6, IP2, T3, TP33     | None                         | 212  | 241 | 15 kg     | 50 kg     | D      | 40    |
|          | .....                                   | .....   | .....  | III    | 4.2       | IB8, IP3, T1, TP33     | None                         | 213  | 241 | 25 kg     | 100 kg    | D      | 40    |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names                 | Hazard class or Di- vision | Identifica- tion Num- bers | PG    | Label Codes | Special provi- sions (§ 172.102) | (8)                   |  |      | (9)   |                       | (10)             |       |        |           |        |   |        |
|----------|---|----------------------------|----------------------------|-------|-------------|----------------------------------|-----------------------|--|------|---|-----------------------|------------------|-------|--------|-----------|--------|---|--------|
|          |   |                            |                            |       |             |                                  | Packaging (§ 173.***) |  |      | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |        |           |        |   |        |
|          |   |                            |                            |       |             |                                  | Excep- tions          | Non- bulk                                | Bulk | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |        |           |        |   |        |
|          | Xenon .....   | 2.2                        | UN2036                     | ..... | 2.2         | .....                            | 306                   | .....                                    | 302  | .....   | None                  | .....            | 75 kg | 150 kg | A         | .....  |   |        |
|          | Xenon, refrigerated liquid ( <i>cryo- genic liquids</i> ).                  | 2.2                        | UN2591                     | ..... | 2.2         | T75, TP5                         | 320                   | .....                                    | None | .....   | None                  | .....            | 50 kg | 500 kg | B         | .....  |   |        |
|          | Xylenes .....   | 3                          | UN1307                     | ..... | II          | 3                                | .....                 | IB2, T4, TP1                             | 150  | .....   | 202                   | .....            | 242   | .....  | 5 L       | 60 L   | B | .....  |
|          | Xylenols, solid .....   | 6.1                        | UN2261                     | ..... | II          | 3                                | .....                 | B1, IB3, T2, TP1                         | 150  | .....   | 203                   | .....            | 242   | .....  | 60 L      | 220 L  | A | .....  |
|          | Xylenols, liquid .....  | 6.1                        | UN3430                     | ..... | II          | 6.1                              | .....                 | IB8, IP2, IP4, T3, TP33                  | 153  | .....   | 212                   | .....            | 242   | .....  | 25 kg     | 100 kg | A | .....  |
|          | Xylidines, liquid .....   | 6.1                        | UN1711                     | ..... | II          | 6.1                              | .....                 | IB2, T7, TP2                             | 153  | .....   | 202                   | .....            | 243   | .....  | 5 L       | 60 L   | A | .....  |
|          | Xylidines, solid .....  | 6.1                        | UN3452                     | ..... | II          | 6.1                              | .....                 | IB8, IP2, IP4, T3, TP33                  | 153  | .....   | 212                   | .....            | 242   | .....  | 25 kg     | 100 kg | A | .....  |
|          | Xylyl bromide, liquid .....   | 6.1                        | UN1701                     | ..... | II          | 6.1                              | .....                 | A3, A6, A7, IB2, N33, T7, TP2, TP13      | None | .....   | 340                   | .....            | None  | .....  | Forbidden | 60 L   | D | 40     |
|          | Xylyl bromide, solid .....  | 6.1                        | UN3417                     | ..... | II          | 6.1                              | .....                 | A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33 | None | .....   | 340                   | .....            | None  | .....  | 25 kg     | 100 kg | B | 40     |
|          | <i>p</i> -Xylyl diazide .....   | Forbidden                  |                            | ..... |             |                                  | .....                 |  |      | .....   |                       | .....            |       |        |           |        |   |        |
|          | Zinc ammonium nitrite .....   | 5.1                        | UN1512                     | ..... | II          | 5.1                              | .....                 | IB8, IP4, T3, TP33                       | None | .....   | 212                   | .....            | 242   | .....  | 5 kg      | 25 kg  | E | .....  |
|          | Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures. | 6.1                        | UN1712                     | ..... | II          | 6.1                              | .....                 | IB8, IP2, IP4, T3, TP33                  | 153  | .....   | 212                   | .....            | 242   | .....  | 25 kg     | 100 kg | A | .....  |
|          | Zinc ashes .....  | 4.3                        | UN1435                     | ..... | III         | 4.3                              | .....                 | A1, A19, IB8, IP4, T1, TP33              | 151  | .....   | 213                   | .....            | 241   | .....  | 25 kg     | 100 kg | A | .....  |
|          | <i>Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s..</i>  |                            |                            | ..... |             |                                  | .....                 |  |      | .....   |                       | .....            |       |        |           |        |   |        |
|          | Zinc bromate .....  | 5.1                        | UN2469                     | ..... | III         | 5.1                              | .....                 | A1, A29, IB8, IP3, T1, TP33              | 152  | .....   | 213                   | .....            | 240   | .....  | 25 kg     | 100 kg | A | 56, 58 |
|          | Zinc chlorate .....   | 5.1                        | UN1513                     | ..... | II          | 5.1                              | .....                 | A9, IB8, IP2, IP4, N34, T3, TP33         | 152  | .....   | 212                   | .....            | 242   | .....  | 5 kg      | 25 kg  | A | 56, 58 |
|          | Zinc chloride, anhydrous .....  | 8                          | UN2331                     | ..... | III         | 8                                | .....                 | IB8, IP3, T1, TP33                       | None | .....   | 213                   | .....            | 240   | .....  | 25 kg     | 100 kg | A | .....  |
|          | Zinc chloride, solution .....   | 8                          | UN1840                     | ..... | III         | 8                                | .....                 | IB3, T4, TP1                             | 154  | .....   | 203                   | .....            | 241   | .....  | 5 L       | 60 L   | A | .....  |
|          | Zinc cyanide .....  | 6.1                        | UN1713                     | ..... | I           | 6.1                              | .....                 | IB7, IP1, T6, TP33                       | None | .....   | 211                   | .....            | 242   | .....  | 5 kg      | 50 kg  | A | 52     |
|          | Zinc dithionite or Zinc hydro- sulfite.                                     | 9                          | UN1931                     | ..... | III         | None                             | .....                 | IB8, IP3, T1, TP33                       | 155  | .....   | 204                   | .....            | 240   | .....  | 100 kg    | 200 kg | A | 49     |
|          | <i>Zinc ethyl, see Diethylzinc</i> .....                                    |                            |                            | ..... |             |                                  | .....                 |  |      | .....   |                       | .....            |       |        |           |        |   |        |

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|---|------|--------|-----|-----------|---------------------------------------|------------|-----------|------------|-----------|-----------|----|----------------|
| Zinc fluorosilicate .....   | 6.1  | UN2855 | III | 6.1 ..... | IB8, IP3, T1, TP33                    | 153 .....  | 213 ..... | 240 .....  | 100 kg    | 200 kg    | A  | 52             |
| Zinc hydrosulfite, see Zinc dithionite.   |      |        |     |           |                                       |            |           |            |           |           |    |                |
| Zinc muriate solution, see Zinc chloride, solution.   |      |        |     |           |                                       |            |           |            |           |           |    |                |
| Zinc nitrate .....  | 5.1  | UN1514 | II  | 5.1 ..... | IB8, IP4, T3, TP33                    | 152 .....  | 212 ..... | 240 .....  | 5 kg      | 25 kg     | A  |                |
| Zinc permanganate .....   | 5.1  | UN1515 | II  | 5.1 ..... | IB6, IP2, T3, TP33                    | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | D  | 56, 58, 138    |
| Zinc peroxide .....   | 5.1  | UN1516 | II  | 5.1 ..... | IB6, IP2, T3, TP33                    | 152 .....  | 212 ..... | 242 .....  | 5 kg      | 25 kg     | A  | 13, 52, 66, 75 |
| Zinc phosphide .....  | 4.3  | UN1714 | I   | 4.3, 6.1. | A19, N40                              | None ..... | 211 ..... | None ..... | Forbidden | 15 kg     | E  | 40, 52, 85     |
| Zinc powder or Zinc dust .....  | 4.3  | UN1436 | I   | 4.3, 4.2. | A19, IB4, IP1, N40                    | None ..... | 211 ..... | 242 .....  | Forbidden | 15 kg     | A  | 52, 53         |
| .....   |      |        | II  | 4.3, 4.2. | A19, IB7, IP2, T3, TP33               | None ..... | 212 ..... | 242 .....  | 15 kg     | 50 kg     | A  | 52, 53         |
| .....   |      |        | III | 4.3, 4.2. | IB8, IP4, T1, TP33                    | None ..... | 213 ..... | 242 .....  | 25 kg     | 100 kg    | A  | 52, 53         |
| Zinc resinate .....   | 4.1  | UN2714 | III | 4.1 ..... | A1, IB6, T1, TP33                     | 151 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A  |                |
| Zinc selenate, see Selenates or Selenites.  |      |        |     |           |                                       |            |           |            |           |           |    |                |
| Zinc selenite, see Selenates or Selenites.  |      |        |     |           |                                       |            |           |            |           |           |    |                |
| Zinc silicofluoride, see Zinc fluorosilicate.   |      |        |     |           |                                       |            |           |            |           |           |    |                |
| Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns). | 4.1  | UN2858 | III | 4.1 ..... | A1                                    | 151 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A  |                |
| Zirconium, dry, finished sheets, strip or coiled wire.  | 4.2  | UN2009 | III | 4.2 ..... | A1, A19                               | None ..... | 213 ..... | 240 .....  | 25 kg     | 100 kg    | D  |                |
| Zirconium hydride .....   | 4.1  | UN1437 | II  | 4.1 ..... | A19, A20, IB4, N34, T3, TP33          | None ..... | 212 ..... | 240 .....  | 15 kg     | 50 kg     | E  |                |
| Zirconium nitrate .....   | 5.1  | UN2728 | III | 5.1 ..... | A1, A29, IB8, IP3, T1, TP33           | 152 .....  | 213 ..... | 240 .....  | 25 kg     | 100 kg    | A  |                |
| Zirconium picramate, dry or wetted with less than 20 percent water, by mass.  | 1.3C | UN0236 | II  | 1.3C ..   |                                       | None ..... | 62 .....  | None ..... | Forbidden | Forbidden | 10 | 5E             |
| Zirconium picramate, wetted with not less than 20 percent water, by mass.   | 4.1  | UN1517 | I   | 4.1 ..... | 23, N41                               | None ..... | 211 ..... | None ..... | 1 kg      | 15 kg     | D  | 28, 36         |
| Zirconium powder, dry .....   | 4.2  | UN2008 | I   | 4.2 ..... | T21, TP7, TP33                        | None ..... | 211 ..... | 242 .....  | Forbidden | Forbidden | D  |                |
| .....   |      |        | II  | 4.2 ..... | A19, A20, IB6, IP2, N5, N34, T3, TP33 | None ..... | 212 ..... | 241 .....  | 15 kg     | 50 kg     | D  |                |
| .....   |      |        | III | 4.2 ..... | IB8, IP3, T1, TP33                    | None ..... | 213 ..... | 241 .....  | 25 kg     | 100 kg    | D  |                |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names   | Hazard class or Di- vision | Identifica- tion Num- bers | PG  | Label Codes | Special provi- sions (§ 172.102)  | (8)                   |           |           | (9)   |                       | (10)             |       |
|----------|---|----------------------------|----------------------------|-----|-------------|-----------------------------------|-----------------------|-----------|-----------|---|-----------------------|------------------|-------|
|          |   |                            |                            |     |             |                                   | Packaging (§ 173.***) |           |           | Quantity limitations (see §§ 173.27 and 175.75) |                       | Vessel stow- age |       |
|          |   |                            |                            |     |             |                                   | Excep- tions          | Non- bulk | Bulk      | Passenger aircraft/rail                         | Cargo air- craft only | Loca- tion       | Other |
|          | Zirconium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns. | 4.1                        | UN1358                     | II  | 4.1 .....   | A19, A20, IB6, IP2, N34, T3, TP33 | None ....             | 212 ..... | 241 ..... | 15 kg   | 50 kg                 | E                | 74    |
|          | Zirconium scrap .....   | 4.2                        | UN1932                     | III | 4.2 .....   | IB8, IP3, N34, T1, TP33           | None ....             | 213 ..... | 240 ..... | Forbidden                                       | Forbidden             | D                | ..... |
|          | Zirconium suspended in a liquid .....   | 3                          | UN1308                     | I   | 3 .....     |                                   | None ....             | 201 ..... | 243 ..... | Forbidden                                       | Forbidden             | B                | ..... |
|          | .....   |                            |                            | II  | 3 .....     | IB2                               | None ....             | 202 ..... | 242 ..... | 5 L   | 60 L                  | B                | ..... |
|          | .....   |                            |                            | III | 3 .....     | B1, IB2                           | 150 .....             | 203 ..... | 242 ..... | 60 L  | 220 L                 | B                | ..... |
|          | Zirconium tetrachloride .....   | 8                          | UN2503                     | III | 8 .....     | IB8, IP3, T1, TP33                | 154 .....             | 213 ..... | 240 ..... | 25 kg   | 100 kg                | A                | ..... |

APPENDIX A TO § 172.101—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

1. This appendix lists materials and their corresponding reportable quantities (RQ's) that are listed or designated as "hazardous substances" under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601(14) (CERCLA; 42 U.S.C. 9601 *et seq.*). This listing fulfills the requirement of CERCLA, 42 U.S.C. 9656(a), that all "hazardous substances," as defined in 42 U.S.C. 9601(14), be listed and regulated as hazardous materials under 49 U.S.C. 5101-5127. That definition includes substances listed under sections 311(b)(2)(A) and 307(a) of the Federal Water Pollution Control Act, 33 U.S.C. 1321(b)(2)(A) and 1317(a), section 3001 of the Solid Waste Disposal Act, 42 U.S.C. 6921, and section 112 of the Clean Air Act, 42 U.S.C. 7412. In addition, this list contains materials that the Administrator of the Environmental Protection Agency has determined to be hazardous substances in accordance with section 102 of CERCLA, 42 U.S.C. 9602. It should be noted that 42 U.S.C. 9656(b) provides that common and contract carriers may be held liable under laws other than CERCLA for the release of a hazardous substance as defined in that Act, during transportation that commenced before the effective date of the listing and regulating of that substance as a hazardous material under 49 U.S.C. 5101-5127.

2. This appendix is divided into two TABLES which are entitled "TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES" and "TABLE 2—RADIONUCLIDES." A material listed in this appendix is regulated as a hazardous material and a hazardous substance under this subchapter if it meets the definition of a hazardous substance in § 171.8 of this subchapter.

3. The procedure for selecting a proper shipping name for a hazardous substance is set forth in § 172.101(c).

4. Column 1 of TABLE 1, entitled "*Hazardous substance*", contains the names of those elements and compounds that are hazardous substances. Following the listing of elements and compounds is a listing of waste streams. These waste streams appear on the list in numerical sequence and are referenced by the appropriate "D", "F", or "K" numbers. Column 2 of TABLE 1, entitled "*Reportable quantity (RQ)*", contains the report-

able quantity (RQ), in pounds and kilograms, for each hazardous substance listed in Column 1 of TABLE 1.

5. A series of notes is used throughout TABLE 1 and TABLE 2 to provide additional information concerning certain hazardous substances. These notes are explained at the end of each TABLE.

6. TABLE 2 lists radionuclides that are hazardous substances and their corresponding RQ's. The RQ's in table 2 for radionuclides are expressed in units of curies and terabecquerels, whereas those in table 1 are expressed in units of pounds and kilograms. If a material is listed in both table 1 and table 2, the lower RQ shall apply. Radionuclides are listed in alphabetical order. The RQ's for radionuclides are given in the radiological unit of measure of curie, abbreviated "Ci", followed, in parentheses, by an equivalent unit measured in terabecquerels, abbreviated "TBq".

7. For mixtures of radionuclides, the following requirements shall be used in determining if a package contains an RQ of a hazardous substance: (i) if the identity and quantity (in curies or terabecquerels) of each radionuclide in a mixture or solution is known, the ratio between the quantity per package (in curies or terabecquerels) and the RQ for the radionuclide must be determined for each radionuclide. A package contains an RQ of a hazardous substance when the sum of the ratios for the radionuclides in the mixture or solution is equal to or greater than one; (ii) if the identity of each radionuclide in a mixture or solution is known but the quantity per package (in curies or terabecquerels) of one or more of the radionuclides is unknown, an RQ of a hazardous substance is present in a package when the total quantity (in curies or terabecquerels) of the mixture or solution is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution; and (iii) if the identity of one or more radionuclides in a mixture or solution is unknown (or if the identity of a radionuclide by itself is unknown), an RQ of a hazardous substance is present when the total quantity (in curies or terabecquerels) in a package is equal to or greater than either one curie or the lowest RQ of any known individual radionuclide in the mixture or solution, whichever is lower.

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

| Hazardous substance         | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|-----------------------------|---|
| A2213 .....                 | 5000 (2270)                                       |
| Acenaphthene .....          | 100 (45.4)  |
| Acenaphthylene .....        | 5000 (2270)                                       |
| Acetaldehyde .....          | 1000 (454)  |
| Acetaldehyde, chloro- ..... | 1000 (454)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance                                       | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Acetaldehyde, trichloro- .....                            | 5000 (2270)                                       |
| Acetamide .....   | 100 (45.4)  |
| Acetamide, N-(aminothioxomethyl)- .....                   | 1000 (454)  |
| Acetamide, N-(4-ethoxyphenyl)- .....                      | 100 (45.4)  |
| Acetamide, N-9H-fluoren-2-yl- .....                       | 1 (0.454)   |
| Acetamide, 2-fluoro- .....                                | 100 (45.4)  |
| Acetic acid .....   | 5000 (2270)                                       |
| Acetic acid, (2,4-dichlorophenoxy)-, salts & esters ..... | 100 (45.4)  |
| Acetic acid, ethyl ester .....                            | 5000 (2270)                                       |
| Acetic acid, fluoro-, sodium salt .....                   | 10 (4.54)   |
| Acetic acid, lead(2+) salt .....                          | 10 (4.54)   |
| Acetic acid, thallium(1+) salt .....                      | 100 (45.4)  |
| Acetic acid, (2,4,5-trichlorophenoxy)- .....              | 1000 (454)  |
| Acetic anhydride .....                                    | 5000 (2270)                                       |
| Acetone .....   | 5000 (2270)                                       |
| Acetone cyanohydrin .....                                 | 10 (4.54)   |
| Acetonitrile .....  | 5000 (2270)                                       |
| Acetophenone .....  | 5000 (2270)                                       |
| 2-Acetylaminofluorene .....                               | 1 (0.454)   |
| Acetyl bromide .....                                      | 5000 (2270)                                       |
| Acetyl chloride .....                                     | 5000 (2270)                                       |
| 1-Acetyl-2-thiourea .....                                 | 1000 (454)  |
| Acrolein .....  | 1 (0.454)   |
| Acrylamide .....  | 5000 (2270)                                       |
| Acrylic acid .....  | 5000 (2270)                                       |
| Acrylonitrile .....                                       | 100 (45.4)  |
| Adipic acid .....   | 5000 (2270)                                       |
| Aldicarb .....  | 1 (0.454)   |
| Aldicarb sulfone .....                                    | 100 (45.4)  |
| Aldrin .....  | 1 (0.454)   |
| Allyl alcohol .....                                       | 100 (45.4)  |
| Allyl chloride .....                                      | 1000 (454)  |
| Aluminum phosphide .....                                  | 100 (45.4)  |
| Aluminum sulfate .....                                    | 5000 (2270)                                       |
| 4-Aminobiphenyl .....                                     | 1 (0.454)   |
| 5-(Aminomethyl)-3-isoxazolol .....                        | 1000 (454)  |
| 4-Aminopyridine .....                                     | 1000 (454)  |
| Amitrole .....  | 10 (4.54)   |
| Ammonia .....   | 100 (45.4)  |
| Ammonium acetate .....                                    | 5000 (2270)                                       |
| Ammonium benzoate .....                                   | 5000 (2270)                                       |
| Ammonium bicarbonate .....                                | 5000 (2270)                                       |
| Ammonium bichromate .....                                 | 10 (4.54)   |
| Ammonium bifluoride .....                                 | 100 (45.4)  |
| Ammonium bisulfite .....                                  | 5000 (2270)                                       |
| Ammonium carbamate .....                                  | 5000 (2270)                                       |
| Ammonium carbonate .....                                  | 5000 (2270)                                       |
| Ammonium chloride .....                                   | 5000 (2270)                                       |
| Ammonium chromate .....                                   | 10 (4.54)   |
| Ammonium citrate, dibasic .....                           | 5000 (2270)                                       |
| Ammonium dichromate® .....                                | 10 (4.54)   |
| Ammonium fluoborate .....                                 | 5000 (2270)                                       |
| Ammonium fluoride .....                                   | 100 (45.4)  |
| Ammonium hydroxide .....                                  | 1000 (454)  |
| Ammonium oxalate .....                                    | 5000 (2270)                                       |
| Ammonium picrate .....                                    | 10 (4.54)   |
| Ammonium silicofluoride .....                             | 1000 (454)  |
| Ammonium sulfamate .....                                  | 5000 (2270)                                       |
| Ammonium sulfide .....                                    | 100 (45.4)  |
| Ammonium sulfite .....                                    | 5000 (2270)                                       |
| Ammonium tartrate .....                                   | 5000 (2270)                                       |
| Ammonium thiocyanate .....                                | 5000 (2270)                                       |
| Ammonium vanadate .....                                   | 1000 (454)  |
| Amyl acetate .....  | 5000 (2270)                                       |
| iso-Amyl acetate.   |   |
| sec-Amyl acetate.   |   |
| tert-Amyl acetate.  |   |
| Aniline .....   | 5000 (2270)                                       |
| o-Anisidine .....   | 100 (45.4)  |
| Anthracene .....  | 5000 (2270)                                       |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance  | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|--|---|
| Antimony cent:   | 5000 (2270)                                       |
| Antimony pentachloride   | 1000 (454)  |
| Antimony potassium tartrate  | 100 (45.4)  |
| Antimony tribromide  | 1000 (454)  |
| Antimony trichloride   | 1000 (454)  |
| Antimony trifluoride   | 1000 (454)  |
| Antimony trioxide  | 1000 (454)  |
| Argentate(1-), bis(cyano-C)-, potassium  | 1 (0.454)   |
| Aroclor 1016   | 1 (0.454)   |
| Aroclor 1221   | 1 (0.454)   |
| Aroclor 1232   | 1 (0.454)   |
| Aroclor 1242   | 1 (0.454)   |
| Aroclor 1248   | 1 (0.454)   |
| Aroclor 1254   | 1 (0.454)   |
| Aroclor 1260   | 1 (0.454)   |
| Aroclors   | 1 (0.454)   |
| Arsenic cent:  | 1 (0.454)   |
| Arsenic acid H <sub>3</sub> AsO <sub>4</sub>   | 1 (0.454)   |
| Arsenic disulfide  | 1 (0.454)   |
| Arsenic oxide As <sub>2</sub> O <sub>3</sub>   | 1 (0.454)   |
| Arsenic oxide As <sub>2</sub> O <sub>5</sub>   | 1 (0.454)   |
| Arsenic pentoxide  | 1 (0.454)   |
| Arsenic trichloride  | 1 (0.454)   |
| Arsenic trioxide   | 1 (0.454)   |
| Arsenic trisulfide   | 1 (0.454)   |
| Arsine, diethyl-   | 1 (0.454)   |
| Arsinic acid, dimethyl-  | 1 (0.454)   |
| Arsonous dichloride, phenyl-   | 1 (0.454)   |
| Asbestos cent, cent:   | 1 (0.454)   |
| Auramine   | 100 (45.4)  |
| Azaserine  | 1 (0.454)   |
| Aziridine  | 1 (0.454)   |
| Aziridine, 2-methyl-   | 1 (0.454)   |
| Azirino[2,3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8alpha, 8balpha)]- | 10 (4.54)   |
| Barban   | 10 (4.54)   |
| Barium cyanide   | 10 (4.54)   |
| Bendiocarb   | 100 (45.4)  |
| Bendiocarb phenol  | 1000 (454)  |
| Benomyl  | 10 (4.54)   |
| Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-  | 10 (4.54)   |
| Benz[c]acridine  | 100 (45.4)  |
| Benzal chloride  | 5000 (2270)                                       |
| Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-   | 5000 (2270)                                       |
| Benz[a]anthracene  | 10 (4.54)   |
| 1,2-Benzanthracene   | 10 (4.54)   |
| Benz[a]anthracene, 7,12-dimethyl-  | 1 (0.454)   |
| Benzenamine  | 5000 (2270)                                       |
| Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-  | 100 (45.4)  |
| Benzenamine, 4-chloro-   | 1000 (454)  |
| Benzenamine, 4-chloro-2-methyl-, hydrochloride   | 100 (45.4)  |
| Benzenamine, N,N-dimethyl-4-(phenylazo)-   | 10 (4.54)   |
| Benzenamine, 2-methyl-   | 100 (45.4)  |
| Benzenamine, 4-methyl-   | 100 (45.4)  |
| Benzenamine, 4,4'-methylenebis[2-chloro-   | 10 (4.54)   |
| Benzenamine, 2-methyl-, hydrochloride  | 100 (45.4)  |
| Benzenamine, 2-methyl-5-nitro-   | 100 (45.4)  |
| Benzenamine, 4-nitro-  | 5000 (2270)                                       |
| Benzene  | 10 (4.54)   |
| Benzenoacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester  | 10 (4.54)   |
| Benzene, 1-bromo-4-phenoxy-  | 100 (45.4)  |
| Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]-   | 10 (4.54)   |
| Benzene, chloro-   | 100 (45.4)  |
| Benzene, (chloromethyl)-   | 100 (45.4)  |
| Benzenediamine, ar-methyl-   | 10 (4.54)   |
| 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester  | 100 (45.4)  |
| 1,2-Benzenedicarboxylic acid, dibutyl ester  | 10 (4.54)   |
| 1,2-Benzenedicarboxylic acid, diethyl ester  | 1000 (454)  |
| 1,2-Benzenedicarboxylic acid, dimethyl ester   | 5000 (2270)                                       |
| 1,2-Benzenedicarboxylic acid, dioctyl ester  | 5000 (2270)                                       |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Benzene, 1,2-dichloro- .....  | 100 (45.4)  |
| Benzene, 1,3-dichloro- .....  | 100 (45.4)  |
| Benzene, 1,4-dichloro- .....  | 100 (45.4)  |
| Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro- .....  | 1 (0.454)   |
| Benzene, (dichloromethyl)- .....  | 5000 (2270)                                       |
| Benzene, 1,3-diisocyanatomethyl- .....  | 100 (45.4)  |
| Benzene, dimethyl- .....  | 100 (45.4)  |
| 1,3-Benzenediol .....   | 5000 (2270)                                       |
| 1,2-Benzenediol,4-[1-hydroxy-2-(methylamino) ethyl]- .....  | 1000 (454)  |
| Benzeneethanamine, alpha,alpha-dimethyl- .....  | 5000 (2270)                                       |
| Benzene, hexachloro- .....  | 10 (4.54)   |
| Benzene, hexahydro- .....   | 1000 (454)  |
| Benzene, methyl- .....  | 1000 (454)  |
| Benzene, 1-methyl-2,4-dinitro- .....  | 10 (4.54)   |
| Benzene, 2-methyl-1,3-dinitro- .....  | 100 (45.4)  |
| Benzene, (1-methylethyl)- .....   | 5000 (2270)                                       |
| Benzene, nitro- .....   | 1000 (454)  |
| Benzene, pentachloro- .....   | 10 (4.54)   |
| Benzene, pentachloronitro- .....  | 100 (45.4)  |
| Benzenesulfonic acid chloride .....   | 100 (45.4)  |
| Benzenesulfonyl chloride .....  | 100 (45.4)  |
| Benzene,1,2,4,5-tetrachloro- .....  | 5000 (2270)                                       |
| Benzenethiol .....  | 100 (45.4)  |
| Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-chloro- .....  | 1 (0.454)   |
| Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy- .....   | 1 (0.454)   |
| Benzene, (trichloromethyl)- .....   | 10 (4.54)   |
| Benzene, 1,3,5-trinitro- .....  | 10 (4.54)   |
| Benzidine .....   | 1 (0.454)   |
| 1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts .....  | 100 (45.4)  |
| Benzo[ <i>a</i> ]anthracene .....   | 10 (4.54)   |
| 1,3-Benzodioxole, 5-(1-propenyl)-1 .....  | 100 (45.4)  |
| 1,3-Benzodioxole, 5-(2-propenyl)- .....   | 100 (45.4)  |
| 1,3-Benzodioxole, 5-propyl- .....   | 10 (4.54)   |
| 1,3-Benzodioxol-4-ol, 2,2-dimethyl- .....   | 1000 (454)  |
| 1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate .....   | 100 (45.4)  |
| Benzo[ <i>b</i> ]fluoranthene .....   | 1 (0.454)   |
| Benzo[ <i>k</i> ]fluoranthene .....   | 5000 (2270)                                       |
| 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl- .....   | 10 (4.54)   |
| 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate .....  | 10 (4.54)   |
| Benzoic acid .....  | 5000 (2270)                                       |
| Benzoic acid, 2-hydroxy-, compd. with (3 <i>aS</i> -cis)-1,2,3,3 <i>a</i> ,8,8 <i>a</i> -hexahydro-1,3 <i>a</i> ,8-trimethylpyrrolo [2,3- <i>b</i> ]indol-5-yl<br>methylcarbamate ester (1:1) ..... | 100 (45.4)  |
| Benzonitrile .....  | 5000 (2270)                                       |
| Benzo[ <i>rst</i> ]pentaphene .....   | 10 (4.54)   |
| Benzo[ <i>ghi</i> ]perylene .....   | 5000 (2270)                                       |
| 2 <i>H</i> -1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts .....   | 100 (45.4)  |
| Benzo[ <i>a</i> ]pyrene .....   | 1 (0.454)   |
| 3,4-Benzopyrene .....   | 1 (0.454)   |
| <i>p</i> -Benzoquinone .....  | 10 (4.54)   |
| Benzotrichloride .....  | 10 (4.54)   |
| Benzoyl chloride .....  | 1000 (454)  |
| Benzyl chloride .....   | 100 (45.4)  |
| Beryllium <sup>cent</sup> .....   | 10 (4.54)   |
| Beryllium chloride .....  | 1 (0.454)   |
| Beryllium fluoride .....  | 1 (0.454)   |
| Beryllium nitrate .....   | 1 (0.454)   |
| Beryllium powder <sup>cent</sup> .....  | 10 (4.54)   |
| alpha-BHC .....   | 10 (4.54)   |
| beta-BHC .....  | 1 (0.454)   |
| delta-BHC .....   | 1 (0.454)   |
| gamma-BHC .....   | 1 (0.454)   |
| 2,2'-Bioxirane .....  | 10 (4.54)   |
| Biphenyl .....  | 100 (45.4)  |
| [1,1'-Biphenyl]-4,4'-diamine .....  | 1 (0.454)   |
| [1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro- .....   | 1 (0.454)   |
| [1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy- .....  | 100 (45.4)  |
| [1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl- .....   | 10 (4.54)   |
| Bis(2-chloroethoxy) methane .....   | 1000 (454)  |
| Bis(2-chloroethyl) ether .....  | 10 (4.54)   |
| Bis(chloromethyl) ether .....   | 10 (4.54)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Bis(2-ethylhexyl) phthalate .....   | 100 (45.4)  |
| Bromoacetone .....  | 1000 (454)  |
| Bromoform .....   | 100 (45.4)  |
| Bromomethane .....  | 1000 (454)  |
| 4-Bromophenyl phenyl ether .....  | 100 (45.4)  |
| Brucine .....   | 100 (45.4)  |
| 1,3-Butadiene .....   | 10 (4.54)   |
| 1,3-Butadiene, 1,1,2,3,4,4-hexachloro- .....  | 1 (0.454)   |
| 1-Butanamine, N-butyl-N-nitroso- .....  | 10 (4.54)   |
| 1-Butanol .....   | 5000 (2270)                                       |
| 2-Butanone .....  | 5000 (2270)                                       |
| 2-Butanone, 3,3-dimethyl-1(methylthio)-, O [(methylamino) carbonyl] oxime .....   | 100 (45.4)  |
| 2-Butanone peroxide .....   | 10 (4.54)   |
| 2-Butenal .....   | 100 (45.4)  |
| 2-Butene, 1,4-dichloro- .....   | 1 (0.454)   |
| 2-Butenoic acid, 2-methyl-, 7-[[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy] methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*),7aalpha]-] ..... | 10 (4.54)   |
| Butyl acetate .....   | 5000 (2270)                                       |
| iso-Butyl acetate.  |   |
| sec-Butyl acetate.  |   |
| tert-Butyl acetate.   |   |
| n-Butyl alcohol .....   | 5000 (2270)                                       |
| Butylamine .....  | 1000 (454)  |
| iso-Butylamine.   |   |
| sec-Butylamine.   |   |
| tert-Butylamine.  |   |
| Butyl benzyl phthalate .....  | 100 (45.4)  |
| n-Butyl phthalate .....   | 10 (4.54)   |
| Butyric acid .....  | 5000 (2270)                                       |
| iso-Butyric acid.   |   |
| Cacodylic acid .....  | 1 (0.454)   |
| Cadmium <sup>cont.</sup> .....  | 10 (4.54)   |
| Cadmium acetate .....   | 10 (4.54)   |
| Cadmium bromide .....   | 10 (4.54)   |
| Cadmium chloride .....  | 10 (4.54)   |
| Calcium arsenate .....  | 1 (0.454)   |
| Calcium arsenite .....  | 1 (0.454)   |
| Calcium carbide .....   | 10 (4.54)   |
| Calcium chromate .....  | 10 (4.54)   |
| Calcium cyanamide .....   | 1000 (454)  |
| Calcium cyanide Ca(CN) <sub>2</sub> .....   | 10 (4.54)   |
| Calcium dodecylbenzenesulfonate .....   | 1000 (454)  |
| Calcium hypochlorite .....  | 10 (4.54)   |
| Captan .....  | 10 (4.54)   |
| Carbamic acid, 1H-benzimidazol-2-yl, methyl ester .....   | 10 (4.54)   |
| Carbamic acid, [1-[[[butylamino]carbonyl]-1H-benzimidazol-2-yl]-], methyl ester .....   | 10 (4.54)   |
| Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butyryl ester .....  | 10 (4.54)   |
| Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester .....  | 1000 (454)  |
| Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester .....   | 1 (0.454)   |
| Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester .....  | 100 (45.4)  |
| Carbamic acid, ethyl ester .....  | 100 (45.4)  |
| Carbamic acid, methyl-, 3-methylphenyl ester .....  | 1000 (454)  |
| Carbamic acid, methylnitroso-, ethyl ester .....  | 1 (0.454)   |
| Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)] bis-, dimethyl ester .....  | 10 (4.54)   |
| Carbamic acid, phenyl-, 1-methylethyl ester .....   | 1000 (454)  |
| Carbamic chloride, dimethyl- .....  | 1 (0.454)   |
| Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters .....  | 5000 (2270)                                       |
| Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester .....  | 100 (45.4)  |
| Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester .....   | 100 (45.4)  |
| Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester .....   | 5000 (2270)                                       |
| Carbaryl .....  | 100 (45.4)  |
| Carbendazim .....   | 10 (4.54)   |
| Carbofuran .....  | 10 (4.54)   |
| Carbofuran phenol .....   | 10 (4.54)   |
| Carbon disulfide .....  | 100 (45.4)  |
| Carbonic acid, dithallium(1+) salt .....  | 100 (45.4)  |
| Carbonic dichloride .....   | 10 (4.54)   |
| Carbonic difluoride .....   | 1000 (454)  |
| Carbonochloridic acid, methyl ester .....   | 1000 (454)  |
| Carbon oxyfluoride .....  | 1000 (454)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Carbon tetrachloride  | 10 (4.54)   |
| Carbonyl sulfide  | 100 (45.4)  |
| Carbosulfan   | 1000 (454)  |
| Catechol  | 100 (45.4)  |
| Chloral   | 5000 (2270)                                       |
| Chloramben  | 100 (45.4)  |
| Chlorambucil  | 10 (4.54)   |
| Chlordane   | 1 (0.454)   |
| Chlordane, alpha & gamma isomers                            | 1 (0.454)   |
| CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)               | 1 (0.454)   |
| Chlorinated camphene  | 1 (0.454)   |
| Chlorine  | 10 (4.54)   |
| Chlornaphazine  | 100 (45.4)  |
| Chloroacetaldehyde  | 1000 (454)  |
| Chloroacetic acid   | 100 (45.4)  |
| 2-Chloroacetophenone  | 100 (45.4)  |
| p-Chloroaniline   | 1000 (454)  |
| Chlorobenzene   | 100 (45.4)  |
| Chlorobenzilate   | 10 (4.54)   |
| p-Chloro-m-cresol   | 5000 (2270)                                       |
| Chlorodibromomethane  | 100 (45.4)  |
| 1-Chloro-2,3-epoxypropane                                   | 100 (45.4)  |
| Chloroethane  | 100 (45.4)  |
| 2-Chloroethyl vinyl ether                                   | 1000 (454)  |
| Chloroform  | 10 (4.54)   |
| Chloromethane   | 100 (45.4)  |
| Chloromethyl methyl ether                                   | 10 (4.54)   |
| beta-Chloronaphthalene                                      | 5000 (2270)                                       |
| 2-Chloronaphthalene   | 5000 (2270)                                       |
| 2-Chlorophenol  | 100 (45.4)  |
| o-Chlorophenol  | 100 (45.4)  |
| 4-Chlorophenyl phenyl ether                                 | 5000 (2270)                                       |
| 1-(o-Chlorophenyl)thiourea                                  | 100 (45.4)  |
| Chloroprene   | 100 (45.4)  |
| 3-Chloropropionitrile                                       | 1000 (454)  |
| Chlorosulfonic acid   | 1000 (454)  |
| 4-Chloro-o-toluidine, hydrochloride                         | 100 (45.4)  |
| Chlorpyrifos  | 1 (0.454)   |
| Chromic acetate   | 1000 (454)  |
| Chromic acid  | 10 (4.54)   |
| Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt | 10 (4.54)   |
| Chromic sulfate   | 1000 (454)  |
| Chromium <sup>cent.</sup>                                   | 5000 (2270)                                       |
| Chromous chloride   | 1000 (454)  |
| Chrysene  | 100 (45.4)  |
| Cobaltous bromide   | 1000 (454)  |
| Cobaltous formate   | 1000 (454)  |
| Cobaltous sulfamate   | 1000 (454)  |
| Coke Oven Emissions   | 1 (0.454)   |
| Copper <sup>cent.</sup>                                     | 5000 (2270)                                       |
| Copper chloride ®   | 10 (4.54)   |
| Copper cyanide Cu(CN)                                       | 10 (4.54)   |
| Coumaphos   | 10 (4.54)   |
| Creosote  | 1 (0.454)   |
| Cresol (cresylic acid)                                      | 100 (45.4)  |
| m-Cresol  | 100 (45.4)  |
| o-Cresol  | 100 (45.4)  |
| p-Cresol  | 100 (45.4)  |
| Cresols (isomers and mixture)                               | 100 (45.4)  |
| Cresylic acid (isomers and mixture)                         | 100 (45.4)  |
| Crotonaldehyde  | 100 (45.4)  |
| Cumene  | 5000 (2270)                                       |
| m-Cumenyl methylcarbamate                                   | 10 (4.54)   |
| Cupric acetate  | 100 (45.4)  |
| Cupric acetoarsenite  | 1 (0.454)   |
| Cupric chloride   | 10 (4.54)   |
| Cupric nitrate  | 100 (45.4)  |
| Cupric oxalate  | 100 (45.4)  |
| Cupric sulfate  | 10 (4.54)   |
| Cupric sulfate, ammoniated                                  | 100 (45.4)  |



TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Cupric tartrate .....   | 100 (45.4)  |
| Cyanides (soluble salts and complexes) not otherwise specified .....  | 10 (4.54)   |
| Cyanogen .....  | 100 (45.4)  |
| Cyanogen bromide (CN)Br .....   | 1000 (454)  |
| Cyanogen chloride (CN)Cl .....  | 10 (4.54)   |
| 2,5-Cyclohexadiene-1,4-dione .....  | 10 (4.54)   |
| Cyclohexane .....   | 1000 (454)  |
| Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ , 2 $\alpha$ , 3 $\beta$ -, 4 $\alpha$ , 5 $\alpha$ , 6 $\beta$ ) ..... | 1 (0.454)   |
| Cyclohexanone .....   | 5000 (2270)                                       |
| 2-Cyclohexyl-4,6-dinitrophenol .....  | 100 (45.4)  |
| 1,3-Cyclopentadiene, 1,2,3,4,5-hexachloro- .....  | 10 (4.54)   |
| Cyclophosphamide .....  | 10 (4.54)   |
| 2,4-D Acid .....  | 100 (45.4)  |
| 2,4-D Ester .....   | 100 (45.4)  |
| 2,4-D, salts and esters .....   | 100 (45.4)  |
| Daunomycin .....  | 10 (4.54)   |
| DDD .....   | 1 (0.454)   |
| 4,4'-DDD .....  | 1 (0.454)   |
| DDE (72-55-9) # .....   | 1 (0.454)   |
| DDE (3547-04-4) # .....   | 5000 (2270)                                       |
| 4,4'-DDE .....  | 1 (0.454)   |
| DDT .....   | 1 (0.454)   |
| 4,4'-DDT .....  | 1 (0.454)   |
| DEHP .....  | 100 (45.4)  |
| Diallate .....  | 100 (45.4)  |
| Diazinon .....  | 1 (0.454)   |
| Diazomethane .....  | 100 (45.4)  |
| Dibenz[a,h]anthracene .....   | 1 (0.454)   |
| 1,2:5,6-Dibenzanthracene .....  | 1 (0.454)   |
| Dibenzo[a,h]anthracene .....  | 1 (0.454)   |
| Dibenzofuran .....  | 100 (45.4)  |
| Dibenzo[a,i]pyrene .....  | 10 (4.54)   |
| 1,2-Dibromo-3-chloropropane .....   | 1 (0.454)   |
| Dibromoethane .....   | 1 (0.454)   |
| Dibutyl phthalate .....   | 10 (4.54)   |
| Di-n-butyl phthalate .....  | 10 (4.54)   |
| Dicamba .....   | 1000 (454)  |
| Dichlobenil .....   | 100 (45.4)  |
| Dichlone .....  | 1 (0.454)   |
| Dichlorobenzene .....   | 100 (45.4)  |
| 1,2-Dichlorobenzene .....   | 100 (45.4)  |
| 1,3-Dichlorobenzene .....   | 100 (45.4)  |
| 1,4-Dichlorobenzene .....   | 100 (45.4)  |
| m-Dichlorobenzene .....   | 100 (45.4)  |
| o-Dichlorobenzene .....   | 100 (45.4)  |
| p-Dichlorobenzene .....   | 100 (45.4)  |
| 3,3'-Dichlorobenzidine .....  | 1 (0.454)   |
| Dichlorobromomethane .....  | 5000 (2270)                                       |
| 1,4-Dichloro-2-butene .....   | 1 (0.454)   |
| Dichlorodifluoromethane .....   | 5000 (2270)                                       |
| 1,1-Dichloroethane .....  | 1000 (454)  |
| 1,2-Dichloroethane .....  | 100 (45.4)  |
| 1,1-Dichloroethylene .....  | 100 (45.4)  |
| 1,2-Dichloroethylene .....  | 1000 (454)  |
| Dichloroethyl ether .....   | 10 (4.54)   |
| Dichloroisopropyl ether .....   | 1000 (454)  |
| Dichloromethane .....   | 1000 (454)  |
| Dichloromethoxyethane .....   | 1000 (454)  |
| Dichloromethyl ether .....  | 10 (4.54)   |
| 2,4-Dichlorophenol .....  | 100 (45.4)  |
| 2,6-Dichlorophenol .....  | 100 (45.4)  |
| Dichlorophenylarsine .....  | 1 (0.454)   |
| Dichloropropane .....   | 1000 (454)  |
| 1,1-Dichloropropane .....   |   |
| 1,3-Dichloropropane .....   |   |
| 1,2-Dichloropropane .....   | 1000 (454)  |
| Dichloropropane-Dichloropropene (mixture) .....   | 100 (45.4)  |
| Dichloropropene .....   | 100 (45.4)  |
| 2,3-Dichloropropene .....   |   |
| 1,3-Dichloropropene .....   | 100 (45.4)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| 2,2-Dichloropropionic acid  | 5000 (2270)                                       |
| Dichlorvos  | 10 (4.54)   |
| Dicofol   | 10 (4.54)   |
| Dieldrin  | 1 (0.454)   |
| 1,2:3,4-Diepoxybutane   | 10 (4.54)   |
| Diethanolamine  | 100 (45.4)  |
| Diethylamine  | 100 (45.4)  |
| N,N-Diethylaniline  | 1000 (454)  |
| Diethylarsine   | 1 (0.454)   |
| Diethylene glycol, dicarbamate  | 5000 (2270)                                       |
| 1,4-Diethyleneoxide   | 100 (45.4)  |
| Diethylhexyl phthalate  | 100 (45.4)  |
| N,N'-Diethylhydrazine   | 10 (4.54)   |
| O,O-Diethyl S-methyl dithiophosphate  | 5000 (2270)                                       |
| Diethyl-p-nitrophenyl phosphate   | 100 (45.4)  |
| Diethyl phthalate   | 1000 (454)  |
| O,O-Diethyl O-pyrazinyl phosphorothioate  | 100 (45.4)  |
| Diethylstilbestrol  | 1 (0.454)   |
| Diethyl sulfate   | 10 (4.54)   |
| Dihydrosafrole  | 10 (4.54)   |
| Diisopropylfluorophosphate (DFP)  | 100 (45.4)  |
| 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4beta, 5alpha, 8alpha, 8beta)-  | 1 (0.454)   |
| 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4beta, 5beta, 8beta, 8beta)-1 (0.454)                                     |   |
| 2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha, 2beta, 2alpha, 3beta, 6beta, 6alpha, 7beta, 7alpha)-                  | 1 (0.454)   |
| 2,7:3,6-Dimethanonaphth[2, 3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha, 2beta, 2alpha, 3alpha, 6alpha, 6beta, 7beta, 7alpha)-, & metabolites | 1 (0.454)   |
| Dimethoate  | 10 (4.54)   |
| 3,3'-Dimethoxybenzidine   | 100 (45.4)  |
| Dimethylamine   | 1000 (454)  |
| Dimethyl aminoazobenzene  | 10 (4.54)   |
| p-Dimethylaminoazobenzene   | 10 (4.54)   |
| N,N-Dimethylaniline   | 100 (45.4)  |
| 7,12-Dimethylbenz[a]anthracene  | 1 (0.454)   |
| 3,3'-Dimethylbenzidine  | 10 (4.54)   |
| alpha, alpha-Dimethylbenzylhydroperoxide  | 10 (4.54)   |
| Dimethylcarbamoyl chloride  | 1 (0.454)   |
| Dimethylformamide   | 100 (45.4)  |
| 1,1-Dimethylhydrazine   | 10 (4.54)   |
| 1,2-Dimethylhydrazine   | 1 (0.454)   |
| Dimethylhydrazine, unsymmetrical <sup>®</sup>   | 10 (4.54)   |
| alpha, alpha-Dimethylphenethylamine   | 5000 (2270)                                       |
| 2,4-Dimethylphenol  | 100 (45.4)  |
| Dimethyl phthalate  | 5000 (2270)                                       |
| Dimethyl sulfate  | 100 (45.4)  |
| Dimetilan   | 1 (0.454)   |
| Dinitrobenzene (mixed)  | 100 (45.4)  |
| m-Dinitrobenzene.   |   |
| o-Dinitrobenzene.   |   |
| p-Dinitrobenzene.   |   |
| 4,6-Dinitro-o-cresol, and salts   | 10 (4.54)   |
| Dinitrogen tetroxide <sup>®</sup>   | 10 (4.54)   |
| Dinitrophenol   | 10 (4.54)   |
| 2,5-Dinitrophenol.  |   |
| 2,6-Dinitrophenol.  |   |
| 2,4-Dinitrophenol   | 10 (4.54)   |
| Dinitrotoluene  | 10 (4.54)   |
| 3,4-Dinitrotoluene.   |   |
| 2,4-Dinitrotoluene  | 10 (4.54)   |
| 2,6-Dinitrotoluene  | 100 (45.4)  |
| Dinoseb   | 1000 (454)  |
| Di-n-octyl phthalate  | 5000 (2270)                                       |
| 1,4-Dioxane   | 100 (45.4)  |
| 1,2-Diphenylhydrazine   | 10 (4.54)   |
| Diphosphoramidate, octamethyl-  | 100 (45.4)  |
| Diphosphoric acid, tetraethyl ester   | 10 (4.54)   |
| Dipropylamine   | 5000 (2270)                                       |
| Di-n-propylnitrosamine  | 10 (4.54)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance  | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|--|---|
| Diquat .....   | 1000 (454)  |
| Disulfoton .....   | 1 (0.454)   |
| Dithiobiuret .....   | 100 (45.4)  |
| 1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime .....                | 100 (45.4)  |
| Diuron .....   | 100 (45.4)  |
| Dodecylbenzenesulfonic acid .....  | 1000 (454)  |
| Endosulfan .....   | 1 (0.454)   |
| alpha-Endosulfan .....   | 1 (0.454)   |
| beta-Endosulfan .....  | 1 (0.454)   |
| Endosulfan sulfate .....   | 1 (0.454)   |
| Endothall .....  | 1000 (454)  |
| Endrin .....   | 1 (0.454)   |
| Endrin aldehyde .....  | 1 (0.454)   |
| Endrin, & metabolites .....  | 1 (0.454)   |
| Epichlorohydrin .....  | 100 (45.4)  |
| Epinephrine .....  | 1000 (454)  |
| 1,2-Epoxybutane .....  | 100 (45.4)  |
| Ethanal .....  | 1000 (454)  |
| Ethanamine, N,N-diethyl- .....   | 5000 (2270)                                       |
| Ethanamine, N-ethyl-N-nitroso- .....   | 1 (0.454)   |
| 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)- .....                           | 5000 (2270)                                       |
| Ethane, 1,2-dibromo- .....   | 1 (0.454)   |
| Ethane, 1,1-dichloro- .....  | 1000 (454)  |
| Ethane, 1,2-dichloro- .....  | 100 (45.4)  |
| Ethanedinitrile .....  | 100 (45.4)  |
| Ethane, hexachloro- .....  | 100 (45.4)  |
| Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro- .....  | 1000 (454)  |
| Ethane, 1,1'-oxybis- .....   | 100 (45.4)  |
| Ethane, 1,1'-oxybis[2-chloro- .....  | 10 (4.54)   |
| Ethane, pentachloro- .....   | 10 (4.54)   |
| Ethane, 1,1,1,2-tetrachloro- .....   | 100 (45.4)  |
| Ethane, 1,1,2,2-tetrachloro- .....   | 100 (45.4)  |
| Ethanethioamide .....  | 10 (4.54)   |
| Ethane, 1,1,1-trichloro- .....   | 1000 (454)  |
| Ethane, 1,1,2-trichloro- .....   | 100 (45.4)  |
| Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester .....                        | 5000 (2270)                                       |
| Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester ..... | 100 (45.4)  |
| Ethanimidothioic acid, N-[[[(methylamino) carbonyl]oxy]-, methyl ester .....                         | 100 (45.4)  |
| Ethanimidothioic acid, N,N'[thiobis[(methylimino)carbonyloxy]] bis-, dimethyl ester .....            | 100 (45.4)  |
| Ethanol, 2-ethoxy- .....   | 1000 (454)  |
| Ethanol, 2,2'-(nitrosoimino)bis- .....   | 1 (0.454)   |
| Ethanol, 2,2'-oxybis-, dicarbamate .....   | 5000 (2270)                                       |
| Ethanone, 1-phenyl- .....  | 5000 (2270)                                       |
| Ethene, chloro- .....  | 1 (0.454)   |
| Ethene, (2-chloroethoxy)- .....  | 1000 (454)  |
| Ethene, 1,1-dichloro- .....  | 100 (45.4)  |
| Ethene, 1,2-dichloro-(E) .....   | 1000 (454)  |
| Ethene, tetrachloro- .....   | 100 (45.4)  |
| Ethene, trichloro- .....   | 100 (45.4)  |
| Ethion .....   | 10 (4.54)   |
| Ethyl acetate .....  | 5000 (2270)                                       |
| Ethyl acrylate .....   | 1000 (454)  |
| Ethylbenzene .....   | 1000 (454)  |
| Ethyl carbamate .....  | 100 (45.4)  |
| Ethyl chloride .....   | 100 (45.4)  |
| Ethyl cyanide .....  | 10 (4.54)   |
| Ethylenebisdithiocarbamic acid, salts & esters .....   | 5000 (2270)                                       |
| Ethylenediamine .....  | 5000 (2270)                                       |
| Ethylenediamine-tetraacetic acid (EDTA) .....  | 5000 (2270)                                       |
| Ethylene dibromide .....   | 1 (0.454)   |
| Ethylene dichloride .....  | 100 (45.4)  |
| Ethylene glycol .....  | 5000 (2270)                                       |
| Ethylene glycol monoethyl ether .....  | 1000 (454)  |
| Ethylene oxide .....   | 10 (4.54)   |
| Ethylenethiourea .....   | 10 (4.54)   |
| Ethylenimine .....   | 1 (0.454)   |
| Ethyl ether .....  | 100 (45.4)  |
| Ethylidene dichloride .....  | 1000 (454)  |
| Ethyl methacrylate .....   | 1000 (454)  |
| Ethyl methanesulfonate .....   | 1 (0.454)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Ethyl methyl ketone®  | 5000 (2270)                                       |
| Famphur   | 1000 (454)  |
| Ferric ammonium citrate                                       | 1000 (454)  |
| Ferric ammonium oxalate                                       | 1000 (454)  |
| Ferric chloride   | 1000 (454)  |
| Ferric fluoride   | 100 (45.4)  |
| Ferric nitrate  | 1000 (454)  |
| Ferric sulfate  | 1000 (454)  |
| Ferrous ammonium sulfate                                      | 1000 (454)  |
| Ferrous chloride  | 100 (45.4)  |
| Ferrous sulfate   | 1000 (454)  |
| Fluoranthene  | 100 (45.4)  |
| Fluorene  | 5000 (2270)                                       |
| Fluorine  | 10 (4.54)   |
| Fluoroacetamide   | 100 (45.4)  |
| Fluoroacetic acid, sodium salt                                | 10 (4.54)   |
| Formaldehyde  | 100 (45.4)  |
| Formetanate hydrochloride                                     | 100 (45.4)  |
| Formic acid   | 5000 (2270)                                       |
| Formparanate  | 100 (45.4)  |
| Fulminic acid, mercury(2+)salt                                | 10 (4.54)   |
| Fumaric acid  | 5000 (2270)                                       |
| Furan   | 100 (45.4)  |
| 2-Furancarboxyaldehyde  | 5000 (2270)                                       |
| 2,5-Furandione  | 5000 (2270)                                       |
| Furan, tetrahydro-  | 1000 (454)  |
| Furfural  | 5000 (2270)                                       |
| Furfuran  | 100 (45.4)  |
| Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoareido)-, D-      | 1 (0.454)   |
| D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]- | 1 (0.454)   |
| Glycidylaldehyde  | 10 (4.54)   |
| Guanidine, N-methyl-N'-nitro-N-nitroso-                       | 10 (4.54)   |
| Guthion   | 1 (0.454)   |
| Heptachlor  | 1 (0.454)   |
| Heptachlor epoxide  | 1 (0.454)   |
| Hexachlorobenzene   | 10 (4.54)   |
| Hexachlorobutadiene   | 1 (0.454)   |
| Hexachlorocyclopentadiene                                     | 10 (4.54)   |
| Hexachloroethane  | 100 (45.4)  |
| Hexachlorophene   | 100 (45.4)  |
| Hexachloropropene   | 1000 (454)  |
| Hexaethyl tetraphosphate                                      | 100 (45.4)  |
| Hexamethylene-1,6-diisocyanate                                | 100 (45.4)  |
| Hexamethylphosphoramide                                       | 1 (0.454)   |
| Hexane  | 5000 (2270)                                       |
| Hexone  | 5000 (2270)                                       |
| Hydrazine   | 1 (0.454)   |
| Hydrazinecarbothioamide                                       | 100 (45.4)  |
| Hydrazine, 1,2-diethyl-                                       | 10 (4.54)   |
| Hydrazine, 1,1-dimethyl-                                      | 10 (4.54)   |
| Hydrazine, 1,2-dimethyl-                                      | 1 (0.454)   |
| Hydrazine, 1,2-diphenyl-                                      | 10 (4.54)   |
| Hydrazine, methyl-  | 10 (4.54)   |
| Hydrochloric acid   | 5000 (2270)                                       |
| Hydrocyanic acid  | 10 (4.54)   |
| Hydrofluoric acid   | 100 (45.4)  |
| Hydrogen chloride   | 5000 (2270)                                       |
| Hydrogen cyanide  | 10 (4.54)   |
| Hydrogen fluoride   | 100 (45.4)  |
| Hydrogen phosphide  | 100 (45.4)  |
| Hydrogen sulfide H2S  | 100 (45.4)  |
| Hydroperoxide, 1-methyl-1-phenylethyl-                        | 10 (4.54)   |
| Hydroquinone  | 100 (45.4)  |
| 2-Imidazolidinethione   | 10 (4.54)   |
| Indeno(1,2,3-cd)pyrene  | 100 (45.4)  |
| Iodomethane   | 100 (45.4)  |
| 1,3-Isobenzofurandione  | 5000 (2270)                                       |
| Isobutyl alcohol  | 5000 (2270)                                       |
| Isodrin   | 1 (0.454)   |
| Isolan  | 100 (45.4)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance  | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|--|---|
| Isophorone .....   | 5000 (2270)                                       |
| Isoprene .....   | 100 (45.4)  |
| Isopropanolamine dodecylbenzenesulfonate .....   | 1000 (454)  |
| 3-Isopropylphenyl N-methylcarbamate .....  | 10 (4.54)   |
| Isosafrole .....   | 100 (45.4)  |
| 3(2H)-Isoxazolone, 5-(aminomethyl)- .....  | 1000 (454)  |
| Kepone .....   | 1 (0.454)   |
| Lasiocarpine .....   | 10 (4.54)   |
| Lead <sup>cent</sup> .....   | 10 (4.54)   |
| Lead acetate .....   | 10 (4.54)   |
| Lead arsenate .....  | 1 (0.454)   |
| Lead, bis(acetato-O)tetrahydroxytri- .....   | 10 (4.54)   |
| Lead chloride .....  | 10 (4.54)   |
| Lead fluoborate .....  | 10 (4.54)   |
| Lead fluoride .....  | 10 (4.54)   |
| Lead iodide .....  | 10 (4.54)   |
| Lead nitrate .....   | 10 (4.54)   |
| Lead phosphate .....   | 10 (4.54)   |
| Lead stearate .....  | 10 (4.54)   |
| Lead subacetate .....  | 10 (4.54)   |
| Lead sulfate .....   | 10 (4.54)   |
| Lead sulfide .....   | 10 (4.54)   |
| Lead thiocyanate .....   | 10 (4.54)   |
| Lindane .....  | 1 (0.454)   |
| Lindane (all isomers) .....  | 1 (0.454)   |
| Lithium chromate .....   | 10 (4.54)   |
| Malathion .....  | 100 (45.4)  |
| Maleic acid .....  | 5000 (2270)                                       |
| Maleic anhydride .....   | 5000 (2270)                                       |
| Maleic hydrazide .....   | 5000 (2270)                                       |
| Malononitrile .....  | 1000 (454)  |
| Manganese, bis(dimethylcarbamodithioato-S,S')- .....   | 10 (4.54)   |
| Manganese dimethylthiocarbamate .....  | 10 (4.54)   |
| MDI .....  | 5000 (2270)                                       |
| MEK .....  | 5000 (2270)                                       |
| Melphalan .....  | 1 (0.454)   |
| Mercaptodimethur .....   | 10 (4.54)   |
| Mercuric cyanide .....   | 1 (0.454)   |
| Mercuric nitrate .....   | 10 (4.54)   |
| Mercuric sulfate .....   | 10 (4.54)   |
| Mercuric thiocyanate .....   | 10 (4.54)   |
| Mercurous nitrate .....  | 10 (4.54)   |
| Mercury .....  | 1 (0.454)   |
| Mercury, (acetato-O)phenyl- .....  | 100 (45.4)  |
| Mercury fulminate .....  | 10 (4.54)   |
| Methacrylonitrile .....  | 1000 (454)  |
| Methanamine, N-methyl- .....   | 1000 (454)  |
| Methanamine, N-methyl-N-nitroso- .....   | 10 (4.54)   |
| Methane, bromo- .....  | 1000 (454)  |
| Methane, chloro- .....   | 100 (45.4)  |
| Methane, chloromethoxy- .....  | 10 (4.54)   |
| Methane, dibromo- .....  | 1000 (454)  |
| Methane, dichloro- .....   | 1000 (454)  |
| Methane, dichlorodifluoro- .....   | 5000 (2270)                                       |
| Methane, iodo- .....   | 100 (45.4)  |
| Methane, isocyanato- .....   | 10 (4.54)   |
| Methane, oxybis(chloro- .....  | 10 (4.54)   |
| Methanesulfonyl chloride, trichloro- .....   | 100 (45.4)  |
| Methanesulfonic acid, ethyl ester .....  | 1 (0.454)   |
| Methane, tetrachloro- .....  | 10 (4.54)   |
| Methane, tetranitro- .....   | 10 (4.54)   |
| Methanethiol .....   | 100 (45.4)  |
| Methane, tribromo- .....   | 100 (45.4)  |
| Methane, trichloro- .....  | 10 (4.54)   |
| Methane, trichlorofluoro- .....  | 5000 (2270)                                       |
| Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino) carbonyl] oxy] .....                            |   |
| phenyl]-, monohydrochloride .....  | 100 (45.4)  |
| Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl] oxy]phenyl]- .....            | 100 (45.4)  |
| 6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide ..... | 1 (0.454)   |
| 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- .....                         | 1 (0.454)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-  | 1 (0.454)   |
| Methanol  | 5000 (2270)                                       |
| Methapyrilene   | 5000 (2270)                                       |
| 1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-  | 1 (0.454)   |
| Methiocarb  | 10 (4.54)   |
| Methomyl  | 100 (45.4)  |
| Methoxychlor  | 1 (0.454)   |
| Methyl alcohol  | 5000 (2270)                                       |
| Methylamine ®   | 100 (45.4)  |
| 2-Methyl aziridine  | 1 (0.454)   |
| Methyl bromide  | 1000 (454)  |
| 1-Methylbutadiene   | 100 (45.4)  |
| Methyl chloride   | 100 (45.4)  |
| Methyl chlorocarbonate  | 1000 (454)  |
| Methyl chloroform   | 1000 (454)  |
| Methyl chloroformate ®  | 1000 (454)  |
| Methyl chloromethyl ether ®   | 10 (4.54)   |
| 3-Methylcholanthrene  | 10 (4.54)   |
| 4,4'-Methylenebis(2-chloroaniline)  | 10 (4.54)   |
| Methylene bromide   | 1000 (454)  |
| Methylene chloride  | 1000 (454)  |
| 4,4'-Methylenedianiline   | 10 (4.54)   |
| Methylene diphenyl diisocyanate   | 5000 (2270)                                       |
| Methyl ethyl ketone   | 5000 (2270)                                       |
| Methyl ethyl ketone peroxide  | 10 (4.54)   |
| Methyl hydrazine  | 10 (4.54)   |
| Methyl iodide   | 100 (45.4)  |
| Methyl isobutyl ketone  | 5000 (2270)                                       |
| Methyl isocyanate   | 10 (4.54)   |
| 2-Methylficonitrile   | 10 (4.54)   |
| Methyl mercaptan  | 100 (45.4)  |
| Methyl methacrylate   | 1000 (454)  |
| Methyl parathion  | 100 (45.4)  |
| 4-Methyl-2-pentanone  | 5000 (2270)                                       |
| Methyl tert-butyl ether   | 1000 (454)  |
| Methylthiouracil  | 10 (4.54)   |
| Metolcarb   | 1000 (454)  |
| Mevinphos   | 10 (4.54)   |
| Mexacarbate   | 1000 (454)  |
| Mitomycin C   | 10 (4.54)   |
| MNNG  | 10 (4.54)   |
| Monoethylamine  | 100 (45.4)  |
| Monomethylamine   | 100 (45.4)  |
| Naled   | 10 (4.54)   |
| 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)- | 10 (4.54)   |
| 1-Naphthalenamine   | 100 (45.4)  |
| 2-Naphthalenamine   | 10 (4.54)   |
| Naphthalenamine, N,N'-bis(2-chloroethyl)-   | 100 (45.4)  |
| Naphthalene   | 100 (45.4)  |
| Naphthalene, 2-chloro-  | 5000 (2270)                                       |
| 1,4-Naphthalenedione  | 5000 (2270)                                       |
| 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt                        | 10 (4.54)   |
| 1-Naphthalenol, methylcarbamate   | 100 (45.4)  |
| Naphthenic acid   | 100 (45.4)  |
| 1,4-Naphthoquinone  | 5000 (2270)                                       |
| alpha-Naphthylamine   | 100 (45.4)  |
| beta-Naphthylamine  | 10 (4.54)   |
| alpha-Naphthylthiourea  | 100 (45.4)  |
| Nickel cent   | 100 (45.4)  |
| Nickel ammonium sulfate   | 100 (45.4)  |
| Nickel carbonyl Ni(CO)4, (T-4)-   | 10 (4.54)   |
| Nickel chloride   | 100 (45.4)  |
| Nickel cyanide Ni(CN)2  | 10 (4.54)   |
| Nickel hydroxide  | 10 (4.54)   |
| Nickel nitrate  | 100 (45.4)  |
| Nickel sulfate  | 100 (45.4)  |
| Nicotine, & salts   | 100 (45.4)  |
| Nitric acid   | 1000 (454)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Nitric acid, thallium (1+) salt   | 100 (45.4)  |
| Nitric oxide  | 10 (4.54)   |
| p-Nitroaniline  | 5000 (2270)                                       |
| Nitrobenzene  | 1000 (454)  |
| 4-Nitrobiphenyl   | 10 (4.54)   |
| Nitrogen dioxide  | 10 (4.54)   |
| Nitrogen oxide NO   | 10 (4.54)   |
| Nitrogen oxide NO <sub>2</sub>  | 10 (4.54)   |
| Nitroglycerine  | 10 (4.54)   |
| Nitrophenol (mixed)   | 100 (45.4)  |
| m-Nitrophenol.  |   |
| o-Nitrophenol   | 100 (45.4)  |
| p-Nitrophenol   | 100 (45.4)  |
| 2-Nitrophenol   | 100 (45.4)  |
| 4-Nitrophenol   | 100 (45.4)  |
| 2-Nitropropane  | 10 (4.54)   |
| N-Nitrosodi-n-butylamine  | 10 (4.54)   |
| N-Nitrosodiethanolamine   | 1 (0.454)   |
| N-Nitrosodiethylamine   | 1 (0.454)   |
| N-Nitrosodimethylamine  | 10 (4.54)   |
| N-Nitrosodiphenylamine  | 100 (45.4)  |
| N-Nitroso-N-ethylurea   | 1 (0.454)   |
| N-Nitroso-N-methylurea  | 1 (0.454)   |
| N-Nitroso-N-methylurethane  | 1 (0.454)   |
| N-Nitrosomethylvinylamine   | 10 (4.54)   |
| N-Nitrosomorpholine   | 1 (0.454)   |
| N-Nitrosopiperidine   | 10 (4.54)   |
| N-Nitrosopyrrolidine  | 1 (0.454)   |
| Nitrotoluene  | 1000 (454)  |
| m-Nitrotoluene.   |   |
| o-Nitrotoluene.   |   |
| p-Nitrotoluene.   |   |
| 5-Nitro-o-toluidine   | 100 (45.4)  |
| Octamethylpyrophosphoramide   | 100 (45.4)  |
| Osmium oxide OsO <sub>4</sub> , (T-4)   | 1000 (454)  |
| Osmium tetroxide  | 1000 (454)  |
| 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid                              | 1000 (454)  |
| Oxamyl  | 100 (45.4)  |
| 1,2-Oxathiolane, 2,2-dioxide  | 10 (4.54)   |
| 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide | 10 (4.54)   |
| Oxirane   | 10 (4.54)   |
| Oxirane-carboxyaldehyde   | 10 (4.54)   |
| Oxirane, (chloromethyl)-  | 100 (45.4)  |
| Paraldehyde   | 1000 (454)  |
| Paraldehyde   | 1000 (454)  |
| Parathion   | 10 (4.54)   |
| PCBs  | 1 (0.454)   |
| PCNB  | 100 (45.4)  |
| Pentachlorobenzene  | 10 (4.54)   |
| Pentachloroethane   | 10 (4.54)   |
| Pentachloronitrobenzene   | 100 (45.4)  |
| Pentachlorophenol   | 10 (4.54)   |
| 1,3-Pentadiene  | 100 (45.4)  |
| Perchloroethylene   | 100 (45.4)  |
| Perchloromethyl mercaptan <sup>®</sup>  | 100 (45.4)  |
| Phenacetin  | 100 (45.4)  |
| Phenanthrene  | 5000 (2270)                                       |
| Phenol  | 1000 (454)  |
| Phenol, 2-chloro-   | 100 (45.4)  |
| Phenol, 4-chloro-3-methyl-  | 5000 (2270)                                       |
| Phenol, 2-cyclohexyl-4,6-dinitro-   | 100 (45.4)  |
| Phenol, 2,4-dichloro-   | 100 (45.4)  |
| Phenol, 2,6-dichloro-   | 100 (45.4)  |
| Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)                            | 1 (0.454)   |
| Phenol, 2,4-dimethyl-   | 100 (45.4)  |
| Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)              | 1000 (454)  |
| Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate                        | 10 (4.54)   |
| Phenol, 2,4-dinitro-  | 10 (4.54)   |
| Phenol, methyl-   | 100 (45.4)  |
| Phenol, 2-methyl-4,6-dinitro-, & salts  | 10 (4.54)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance  | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|--|---|
| Phenol, 2,2'-methylenebis[3,4,6-trichloro-                                     | 100 (45.4)  |
| Phenol, 2-(1-methylethoxy)-, methylcarbamate                                   | 100 (45.4)  |
| Phenol, 3-(1-methylethyl)-, methyl carbamate                                   | 10 (4.54)   |
| Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate                          | 1000 (454)  |
| Phenol, 2-(1-methylpropyl)-4,6-dinitro-  | 1000 (454)  |
| Phenol, 4-nitro-   | 100 (45.4)  |
| Phenol, pentachloro-   | 10 (4.54)   |
| Phenol, 2,3,4,6-tetrachloro-   | 10 (4.54)   |
| Phenol, 2,4,5-trichloro-   | 10 (4.54)   |
| Phenol, 2,4,6-trichloro-   | 10 (4.54)   |
| Phenol, 2,4,6-trinitro-, ammonium salt   | 10 (4.54)   |
| L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-                                  | 1 (0.454)   |
| p-Phenylenediamine   | 5000 (2270)                                       |
| Phenyl mercaptan®  | 100 (45.4)  |
| Phenylmercury acetate  | 100 (45.4)  |
| Phenylthiourea   | 100 (45.4)  |
| Phorate  | 10 (4.54)   |
| Phosgene   | 10 (4.54)   |
| Phosphine  | 100 (45.4)  |
| Phosphoric acid  | 5000 (2270)                                       |
| Phosphoric acid, diethyl 4-nitrophenyl ester                                   | 100 (45.4)  |
| Phosphoric acid, lead(2+) salt (2:3)   | 10 (4.54)   |
| Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester               | 1 (0.454)   |
| Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester                | 10 (4.54)   |
| Phosphorodithioic acid, O,O-diethyl S-methyl ester                             | 5000 (2270)                                       |
| Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester      | 10 (4.54)   |
| Phosphorofluoric acid, bis(1-methylethyl) ester                                | 100 (45.4)  |
| Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester                      | 10 (4.54)   |
| Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester                            | 100 (45.4)  |
| Phosphorothioic acid, O-[4-[[dimethylamino]sulfonyl]phenyl] O,O-dimethyl ester | 1000 (454)  |
| Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester                     | 100 (45.4)  |
| Phosphorus   | 1 (0.454)   |
| Phosphorus oxychloride   | 1000 (454)  |
| Phosphorus pentasulfide  | 100 (45.4)  |
| Phosphorus sulfide   | 100 (45.4)  |
| Phosphorus trichloride   | 1000 (454)  |
| Phthalic anhydride   | 5000 (2270)                                       |
| Physostigmine  | 100 (45.4)  |
| Physostigmine salicylate   | 100 (45.4)  |
| 2-Picoline   | 5000 (2270)                                       |
| Piperidine, 1-nitroso-   | 10 (4.54)   |
| Plumbane, tetraethyl-  | 10 (4.54)   |
| POLYCHLORINATED BIPHENYLS  | 1 (0.454)   |
| Potassium arsenate   | 1 (0.454)   |
| Potassium arsenite   | 1 (0.454)   |
| Potassium bichromate   | 10 (4.54)   |
| Potassium chromate   | 10 (4.54)   |
| Potassium cyanide K(CN)  | 10 (4.54)   |
| Potassium hydroxide  | 1000 (454)  |
| Potassium permanganate   | 100 (45.4)  |
| Potassium silver cyanide   | 1 (0.454)   |
| Promecarb  | 1000 (454)  |
| Pronamide  | 5000 (2270)                                       |
| Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime        | 100 (45.4)  |
| Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl] oxime            | 1 (0.454)   |
| 1-Propanamine  | 5000 (2270)                                       |
| 1-Propanamine, N-propyl-   | 5000 (2270)                                       |
| 1-Propanamine, N-nitroso-N-propyl-   | 10 (4.54)   |
| Propane, 1,2-dibromo-3-chloro-   | 1 (0.454)   |
| Propane, 1,2-dichloro-   | 1000 (454)  |
| Propanedinitrile   | 1000 (454)  |
| Propanenitrile   | 10 (4.54)   |
| Propanenitrile, 3-chloro-  | 1000 (454)  |
| Propanenitrile, 2-hydroxy-2-methyl-  | 10 (4.54)   |
| Propane, 2-nitro-  | 10 (4.54)   |
| Propane, 2,2'-oxybis[2-chloro-   | 1000 (454)  |
| 1,3-Propane sultone  | 10 (4.54)   |
| 1,2,3-Propanetriol, trinitrate   | 10 (4.54)   |
| Propanoic acid, 2-(2,4,5-trichlorophenoxy)-                                    | 100 (45.4)  |
| 1-Propanol, 2,3-dibromo-, phosphate (3:1)                                      | 10 (4.54)   |



TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| 1-Propanol, 2-methyl- .....   | 5000 (2270)                                       |
| 2-Propanone .....   | 5000 (2270)                                       |
| 2-Propanone, 1-bromo- .....   | 1000 (454)  |
| Propargite .....  | 10 (4.54)   |
| Propargyl alcohol .....   | 1000 (454)  |
| 2-Propenal .....  | 1 (0.454)   |
| 2-Propenamide .....   | 5000 (2270)                                       |
| 1-Propene, 1,3-dichloro- .....  | 100 (45.4)  |
| 1-Propene, 1,1,2,3,3,3-hexachloro- .....  | 1000 (454)  |
| 2-Propenenitrile .....  | 100 (45.4)  |
| 2-Propenenitrile, 2-methyl- .....   | 1000 (454)  |
| 2-Propenoic acid .....  | 5000 (2270)                                       |
| 2-Propenoic acid, ethyl ester .....   | 1000 (454)  |
| 2-Propenoic acid, 2-methyl-, ethyl ester .....  | 1000 (454)  |
| 2-Propenoic acid, 2-methyl-, methyl ester .....   | 1000 (454)  |
| 2-Propen-1-ol .....   | 100 (45.4)  |
| Propham .....   | 1000 (454)  |
| beta-Propiolactone .....  | 10 (4.54)   |
| Propionaldehyde .....   | 1000 (454)  |
| Propionic acid .....  | 5000 (2270)                                       |
| Propionic anhydride .....   | 5000 (2270)                                       |
| Propoxur (Baygon) .....   | 100 (45.4)  |
| n-Propylamine .....   | 5000 (2270)                                       |
| Propylene dichloride .....  | 1000 (454)  |
| Propylene oxide .....   | 100 (45.4)  |
| 1,2-Propylenimine .....   | 1 (0.454)   |
| 2-Propyn-1-ol .....   | 1000 (454)  |
| Prosulfocarb .....  | 5000 (2270)                                       |
| Pyrene .....  | 5000 (2270)                                       |
| Pyrethrins .....  | 1 (0.454)   |
| 3,6-Pyridazinedione, 1,2-dihydro- .....   | 5000 (2270)                                       |
| 4-Pyridinamine .....  | 1000 (454)  |
| Pyridine .....  | 1000 (454)  |
| Pyridine, 2-methyl- .....   | 5000 (2270)                                       |
| Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts .....   | 100 (45.4)  |
| 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]- .....   | 10 (4.54)   |
| 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo- .....  | 10 (4.54)   |
| Pyrrolidine, 1-nitroso- .....   | 1 (0.454)   |
| Pyrrolol[2,3-b] indol-5-ol,1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)- ..... | 100 (45.4)  |
| Quinoline .....   | 5000 (2270)                                       |
| Quinone .....   | 10 (4.54)   |
| Quintobenzene .....   | 100 (45.4)  |
| RADIONUCLIDES .....   | See Table 2                                       |
| Reserpine .....   | 5000 (2270)                                       |
| Resorcinol .....  | 5000 (2270)                                       |
| Saccharin & salts .....   | 100 (45.4)  |
| Safrole .....   | 100 (45.4)  |
| Selenious acid .....  | 10 (4.54)   |
| Selenious acid, dithallium (1+) salt .....  | 1000 (454)  |
| Selenium <sup>cent</sup> : .....  | 100 (45.4)  |
| Selenium dioxide .....  | 10 (4.54)   |
| Selenium oxide .....  | 10 (4.54)   |
| Selenium sulfide SeS2 .....   | 10 (4.54)   |
| Selenourea .....  | 1000 (454)  |
| L-Serine, diazoacetate (ester) .....  | 1 (0.454)   |
| Silver <sup>cent</sup> : .....  | 1000 (454)  |
| Silver cyanide Ag(CN) .....   | 1 (0.454)   |
| Silver nitrate .....  | 1 (0.454)   |
| Silvex (2,4,5-TP) .....   | 100 (45.4)  |
| Sodium .....  | 10 (4.54)   |
| Sodium arsenate .....   | 1 (0.454)   |
| Sodium arsenite .....   | 1 (0.454)   |
| Sodium azide .....  | 1000 (454)  |
| Sodium bichromate .....   | 10 (4.54)   |
| Sodium bifluoride .....   | 100 (45.4)  |
| Sodium bisulfite .....  | 5000 (2270)                                       |
| Sodium chromate .....   | 10 (4.54)   |
| Sodium cyanide Na(CN) .....   | 10 (4.54)   |
| Sodium dodecylbenzenesulfonate .....  | 1000 (454)  |
| Sodium fluoride .....   | 1000 (454)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance  | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|--|---|
| Sodium hydrosulfide .....  | 5000 (2270)                                       |
| Sodium hydroxide .....   | 1000 (454)  |
| Sodium hypochlorite .....  | 100 (45.4)  |
| Sodium methylate .....   | 1000 (454)  |
| Sodium nitrite .....   | 100 (45.4)  |
| Sodium phosphate, dibasic .....  | 5000 (2270)                                       |
| Sodium phosphate, tribasic .....   | 5000 (2270)                                       |
| Sodium selenite .....  | 100 (45.4)  |
| Streptozotocin .....   | 1 (0.454)   |
| Strontium chromate .....   | 10 (4.54)   |
| Strychnidin-10-one, & salts .....  | 10 (4.54)   |
| Strychnidin-10-one, 2,3-dimethoxy- .....   | 100 (45.4)  |
| Strychnine, & salts .....  | 10 (4.54)   |
| Styrene .....  | 1000 (454)  |
| Styrene oxide .....  | 100 (45.4)  |
| Sulfur chlorides <sup>®</sup> .....  | 1000 (454)  |
| Sulfuric acid .....  | 1000 (454)  |
| Sulfuric acid, dimethyl ester .....  | 100 (45.4)  |
| Sulfuric acid, dithallium (1+) salt .....  | 100 (45.4)  |
| Sulfur monochloride .....  | 1000 (454)  |
| Sulfur phosphide .....   | 100 (45.4)  |
| 2,4,5-T .....  | 1000 (454)  |
| 2,4,5-T acid .....   | 1000 (454)  |
| 2,4,5-T amines .....   | 5000 (2270)                                       |
| 2,4,5-T esters .....   | 1000 (454)  |
| 2,4,5-T salts .....  | 1000 (454)  |
| TCDD .....   | 1 (0.454)   |
| TDE .....  | 1 (0.454)   |
| 1,2,4,5-Tetrachlorobenzene .....   | 5000 (2270)                                       |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin .....  | 1 (0.454)   |
| 1,1,1,2-Tetrachloroethane .....  | 100 (45.4)  |
| 1,1,2,2-Tetrachloroethane .....  | 100 (45.4)  |
| Tetrachloroethylene .....  | 100 (45.4)  |
| 2,3,4,6-Tetrachlorophenol .....  | 10 (4.54)   |
| Tetraethyl pyrophosphate .....   | 10 (4.54)   |
| Tetraethyl lead .....  | 10 (4.54)   |
| Tetraethyldithiopyrophosphate .....  | 100 (45.4)  |
| Tetrahydrofuran .....  | 1000 (454)  |
| Tetranitromethane .....  | 10 (4.54)   |
| Tetraphosphoric acid, hexaethyl ester .....  | 100 (45.4)  |
| Thallic oxide .....  | 100 (45.4)  |
| Thallium <sup>cent</sup> .....   | 1000 (454)  |
| Thallium (I) acetate .....   | 100 (45.4)  |
| Thallium (I) carbonate .....   | 100 (45.4)  |
| Thallium chloride TlCl .....   | 100 (45.4)  |
| Thallium (I) nitrate .....   | 100 (45.4)  |
| Thallium oxide Tl <sub>2</sub> O <sub>3</sub> .....  | 100 (45.4)  |
| Thallium (I) selenite .....  | 1000 (454)  |
| Thallium (I) sulfate .....   | 100 (45.4)  |
| Thioacetamide .....  | 10 (4.54)   |
| Thiodicarb .....   | 100 (45.4)  |
| Thiodiphosphoric acid, tetraethyl ester .....  | 100 (45.4)  |
| Thiofanox .....  | 100 (45.4)  |
| Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH .....                             | 100 (45.4)  |
| Thiomethanol .....   | 100 (45.4)  |
| Thioperoxydicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> S <sub>2</sub> , tetramethyl- ..... | 10 (4.54)   |
| Thiophanate-methyl .....   | 10 (4.54)   |
| Thiophenol .....   | 100 (45.4)  |
| Thiosemicarbazide .....  | 100 (45.4)  |
| Thiourea .....   | 10 (4.54)   |
| Thiourea, (2-chlorophenyl)- .....  | 100 (45.4)  |
| Thiourea, 1-naphthalenyl- .....  | 100 (45.4)  |
| Thiourea, phenyl- .....  | 100 (45.4)  |
| Thiram .....   | 10 (4.54)   |
| Tirpate .....  | 100 (45.4)  |
| Titanium tetrachloride .....   | 1000 (454)  |
| Toluene .....  | 1000 (454)  |
| Toluenediamine .....   | 10 (4.54)   |
| 2,4-Toluene diamine .....  | 10 (4.54)   |
| Toluene diisocyanate .....   | 100 (45.4)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| 2,4-Toluene diisocyanate  | 100 (45.4)  |
| o-Toluidine   | 100 (45.4)  |
| p-Toluidine   | 100 (45.4)  |
| o-Toluidine hydrochloride                                       | 100 (45.4)  |
| Toxaphene   | 1 (0.454)   |
| 2,4,5-TP acid   | 100 (45.4)  |
| 2,4,5-TP esters   | 100 (45.4)  |
| Triallate   | 100 (45.4)  |
| 1H-1,2,4-Triazol-3-amine  | 10 (4.54)   |
| Trichlorfon   | 100 (45.4)  |
| 1,2,4-Trichlorobenzene  | 100 (45.4)  |
| 1,1,1-Trichloroethane   | 1000 (454)  |
| 1,1,2-Trichloroethane   | 100 (45.4)  |
| Trichloroethylene   | 100 (45.4)  |
| Trichloromethanesulfonyl chloride                               | 100 (45.4)  |
| Trichloromonofluoromethane                                      | 5000 (2270)                                       |
| Trichlorophenol   | 10 (4.54)   |
| 2,3,4-Trichlorophenol   |   |
| 2,3,5-Trichlorophenol   |   |
| 2,3,6-Trichlorophenol   |   |
| 3,4,5-Trichlorophenol   |   |
| 2,4,5-Trichlorophenol   | 10 (4.54)   |
| 2,4,6-Trichlorophenol   | 10 (4.54)   |
| Triethanolamine dodecylbenzenesulfonate                         | 1000 (454)  |
| Triethylamine   | 5000 (2270)                                       |
| Trifluralin   | 10 (4.54)   |
| Trimethylamine  | 100 (45.4)  |
| 2,2,4-Trimethylpentane  | 1000 (454)  |
| 1,3,5-Trinitrobenzene   | 10 (4.54)   |
| 1,3,5-Trioxane, 2,4,6-trimethyl-                                | 1000 (454)  |
| Tris(2,3-dibromopropyl) phosphate                               | 10 (4.54)   |
| Trypan blue   | 10 (4.54)   |
| D002 Unlisted Hazardous Wastes Characteristic of Corrosivity    | 100 (45.4)  |
| D001 Unlisted Hazardous Wastes Characteristic of Ignitability   | 100 (45.4)  |
| D003 Unlisted Hazardous Wastes Characteristic of Reactivity     | 100 (45.4)  |
| D004–D043 Unlisted Hazardous Wastes Characteristic of Toxicity: |   |
| Arsenic (D004)  | 1 (0.454)   |
| Barium (D005)   | 1000 (454)  |
| Benzene (D018)  | 10 (4.54)   |
| Cadmium (D006)  | 10 (4.54)   |
| Carbon tetrachloride (D019)                                     | 10 (4.54)   |
| Chlordane (D020)  | 1 (0.454)   |
| Chlorobenzene (D021)  | 100 (45.4)  |
| Chloroform (D022)   | 10 (4.54)   |
| Chromium (D007)   | 10 (4.54)   |
| o-Cresol (D023)   | 100 (45.4)  |
| m-Cresol (D024)   | 100 (45.4)  |
| p-Cresol (D025)   | 100 (45.4)  |
| Cresol (D026)   | 100 (45.4)  |
| 2,4-D (D016)  | 100 (45.4)  |
| 1,4-Dichlorobenzene (D027)                                      | 100 (45.4)  |
| 1,2-Dichloroethane (D028)                                       | 100 (45.4)  |
| 1,1-Dichloroethylene (D029)                                     | 100 (45.4)  |
| 2,4-Dinitrotoluene (D030)                                       | 10 (4.54)   |
| Endrin (D012)   | 1 (0.454)   |
| Heptachlor (and epoxide) (D031)                                 | 1 (0.454)   |
| Hexachlorobenzene (D032)  | 10 (4.54)   |
| Hexachlorobutadiene (D033)                                      | 1 (0.454)   |
| Hexachloroethane (D034)   | 100 (45.4)  |
| Lead (D008)   | 10 (4.54)   |
| Lindane (D013)  | 1 (0.454)   |
| Mercury (D009)  | 1 (0.454)   |
| Methoxychlor (D014)   | 1 (0.454)   |
| Methyl ethyl ketone (D035)                                      | 5000 (2270)                                       |
| Nitrobenzene (D036)   | 1000 (454)  |
| Pentachlorophenol (D037)  | 10 (4.54)   |
| Pyridine (D038)   | 1000 (454)  |
| Selenium (D010)   | 10 (4.54)   |
| Silver (D011)   | 1 (0.454)   |
| Tetrachloroethylene (D039)                                      | 100 (45.4)  |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance   | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---|---|
| Toxaphene (D015) .....  | 1 (0.454)   |
| Trichloroethylene (D040) .....  | 100 (45.4)  |
| 2,4,5-Trichlorophenol (D041) .....  | 10 (4.54)   |
| 2,4,6-Trichlorophenol (D042) .....  | 10 (4.54)   |
| 2,4,5-TP (D017) .....   | 100 (45.4)  |
| Vinyl chloride (D043) .....   | 1 (0.454)   |
| Uracil mustard .....  | 10 (4.54)   |
| Uranyl acetate .....  | 100 (45.4)  |
| Uranyl nitrate .....  | 100 (45.4)  |
| Urea, N-ethyl-N-nitroso- .....  | 1 (0.454)   |
| Urea, N-methyl-N-nitroso- .....   | 1 (0.454)   |
| Urethane .....  | 100 (45.4)  |
| Vanadic acid, ammonium salt .....   | 1000 (454)  |
| Vanadium oxide V <sub>2</sub> O <sub>5</sub> .....  | 1000 (454)  |
| Vanadium pentoxide .....  | 1000 (454)  |
| Vanadyl sulfate .....   | 1000 (454)  |
| Vinyl acetate .....   | 5000 (2270)                                       |
| Vinyl acetate monomer .....   | 5000 (2270)                                       |
| Vinylamine, N-methyl-N-nitroso- .....   | 10 (4.54)   |
| Vinyl bromide .....   | 100 (45.4)  |
| Vinyl chloride .....  | 1 (0.454)   |
| Vinylidene chloride .....   | 100 (45.4)  |
| Warfarin, & salts .....   | 100 (45.4)  |
| Xylene .....  | 100 (45.4)  |
| m-Xylene .....  | 1000 (454)  |
| o-Xylene .....  | 1000 (454)  |
| p-Xylene .....  | 100 (45.4)  |
| Xylene (mixed) .....  | 100 (45.4)  |
| Xylenes (isomers and mixture) .....   | 100 (45.4)  |
| Xylenol .....   | 1000 (454)  |
| Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)<br>oxy]-, methyl ester (3beta,16beta,17alpha,18beta, 20alpha) ..... | 5000 (2270)                                       |
| Zinc <sup>cent</sup> .....  | 1000 (454)  |
| Zinc acetate .....  | 1000 (454)  |
| Zinc ammonium chloride .....  | 1000 (454)  |
| Zinc, bis(dimethylcarbamodithioato-S,S')- .....   | 10 (4.54)   |
| Zinc borate .....   | 1000 (454)  |
| Zinc bromide .....  | 1000 (454)  |
| Zinc carbonate .....  | 1000 (454)  |
| Zinc chloride .....   | 1000 (454)  |
| Zinc cyanide Zn(CN) <sub>2</sub> .....  | 10 (4.54)   |
| Zinc fluoride .....   | 1000 (454)  |
| Zinc formate .....  | 1000 (454)  |
| Zinc hydrosulfite .....   | 1000 (454)  |
| Zinc nitrate .....  | 1000 (454)  |
| Zinc phenolsulfonate .....  | 5000 (2270)                                       |
| Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> .....   | 100 (45.4)  |
| Zinc silicofluoride .....   | 5000 (2270)                                       |
| Zinc sulfate .....  | 1000 (454)  |
| Ziram .....   | 10 (4.54)   |
| Zirconium nitrate .....   | 5000 (2270)                                       |
| Zirconium potassium fluoride .....  | 1000 (454)  |
| Zirconium sulfate .....   | 5000 (2270)                                       |
| Zirconium tetrachloride .....   | 5000 (2270)                                       |
| F001 .....  | 10 (4.54)   |
| (a) Tetrachloroethylene .....   | 100 (45.4)  |
| (b) Trichloroethylene .....   | 100 (45.4)  |
| (c) Methylene chloride .....  | 1000 (454)  |
| (d) 1,1,1-Trichloroethane .....   | 1000 (454)  |
| (e) Carbon tetrachloride .....  | 10 (4.54)   |
| (f) Chlorinated fluorocarbons .....   | 5000 (2270)                                       |
| F002 .....  | 10 (4.54)   |
| (a) Tetrachloroethylene .....   | 100 (45.4)  |
| (b) Methylene chloride .....  | 1000 (454)  |
| (c) Trichloroethylene .....   | 100 (45.4)  |
| (d) 1,1,1-Trichloroethane .....   | 1000 (454)  |
| (e) Chlorobenzene .....   | 100 (45.4)  |
| (f) 1,1,2-Trichloro-1,2,2-trifluoroethane .....   | 5000 (2270)                                       |
| (g) o-Dichlorobenzene .....   | 100 (45.4)  |
| (h) Trichlorofluoromethane .....  | 5000 (2270)                                       |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance                  | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|--------------------------------------|---|
| F003 (i) 1,1,2-Trichloroethane ..... | 100 (45.4)  |
| .....                                | 100 (45.4)  |
| (a) Xylene .....                     | 1000 (454)  |
| (b) Acetone .....                    | 5000 (2270)                                       |
| (c) Ethyl acetate .....              | 5000 (2270)                                       |
| (d) Ethylbenzene .....               | 1000 (454)  |
| (e) Ethyl ether .....                | 100 (45.4)  |
| (f) Methyl isobutyl ketone .....     | 5000 (2270)                                       |
| (g) n-Butyl alcohol .....            | 5000 (2270)                                       |
| (h) Cyclohexanone .....              | 5000 (2270)                                       |
| (i) Methanol .....                   | 5000 (2270)                                       |
| F004 .....                           | 100 (45.4)  |
| (a) Cresols/Cresylic acid .....      | 100 (45.4)  |
| (b) Nitrobenzene .....               | 1000 (454)  |
| F005 .....                           | 100 (45.4)  |
| (a) Toluene .....                    | 1000 (454)  |
| (b) Methyl ethyl ketone .....        | 5000 (2270)                                       |
| (c) Carbon disulfide .....           | 100 (45.4)  |
| (d) Isobutanol .....                 | 5000 (2270)                                       |
| (e) Pyridine .....                   | 1000 (454)  |
| F006 .....                           | 10 (4.54)   |
| F007 .....                           | 10 (4.54)   |
| F008 .....                           | 10 (4.54)   |
| F009 .....                           | 10 (4.54)   |
| F010 .....                           | 10 (4.54)   |
| F011 .....                           | 10 (4.54)   |
| F012 .....                           | 10 (4.54)   |
| F019 .....                           | 10 (4.54)   |
| F020 .....                           | 1 (0.454)   |
| F021 .....                           | 1 (0.454)   |
| F022 .....                           | 1 (0.454)   |
| F023 .....                           | 1 (0.454)   |
| F024 .....                           | 1 (0.454)   |
| F025 .....                           | 1 (0.454)   |
| F026 .....                           | 1 (0.454)   |
| F027 .....                           | 1 (0.454)   |
| F028 .....                           | 1 (0.454)   |
| F032 .....                           | 1 (0.454)   |
| F034 .....                           | 1 (0.454)   |
| F035 .....                           | 1 (0.454)   |
| F037 .....                           | 1 (0.454)   |
| F038 .....                           | 1 (0.454)   |
| F039 .....                           | 1 (0.454)   |
| K001 .....                           | 1 (0.454)   |
| K002 .....                           | 10 (4.54)   |
| K003 .....                           | 10 (4.54)   |
| K004 .....                           | 10 (4.54)   |
| K005 .....                           | 10 (4.54)   |
| K006 .....                           | 10 (4.54)   |
| K007 .....                           | 10 (4.54)   |
| K008 .....                           | 10 (4.54)   |
| K009 .....                           | 10 (4.54)   |
| K010 .....                           | 10 (4.54)   |
| K011 .....                           | 10 (4.54)   |
| K013 .....                           | 10 (4.54)   |
| K014 .....                           | 5000 (2270)                                       |
| K015 .....                           | 10 (4.54)   |
| K016 .....                           | 1 (0.454)   |
| K017 .....                           | 10 (4.54)   |
| K018 .....                           | 1 (0.454)   |
| K019 .....                           | 1 (0.454)   |
| K020 .....                           | 1 (0.454)   |
| K021 .....                           | 10 (4.54)   |
| K022 .....                           | 1 (0.454)   |
| K023 .....                           | 5000 (2270)                                       |
| K024 .....                           | 5000 (2270)                                       |
| K025 .....                           | 10 (4.54)   |
| K026 .....                           | 1000 (454)  |
| K027 .....                           | 10 (4.54)   |
| K028 .....                           | 1 (0.454)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---------------------|---|
| K029                | 1 (0.454)   |
| K030                | 1 (0.454)   |
| K031                | 1 (0.454)   |
| K032                | 10 (4.54)   |
| K033                | 10 (4.54)   |
| K034                | 10 (4.54)   |
| K035                | 1 (0.454)   |
| K036                | 1 (0.454)   |
| K037                | 1 (0.454)   |
| K038                | 10 (4.54)   |
| K039                | 10 (4.54)   |
| K040                | 10 (4.54)   |
| K041                | 1 (0.454)   |
| K042                | 10 (4.54)   |
| K043                | 10 (4.54)   |
| K044                | 10 (4.54)   |
| K045                | 10 (4.54)   |
| K046                | 10 (4.54)   |
| K047                | 10 (4.54)   |
| K048                | 10 (4.54)   |
| K049                | 10 (4.54)   |
| K050                | 10 (4.54)   |
| K051                | 10 (4.54)   |
| K052                | 10 (4.54)   |
| K060                | 1 (0.454)   |
| K061                | 10 (4.54)   |
| K062                | 10 (4.54)   |
| K064                | 10 (4.54)   |
| K065                | 10 (4.54)   |
| K066                | 10 (4.54)   |
| K069                | 10 (4.54)   |
| K071                | 1 (0.454)   |
| K073                | 10 (4.54)   |
| K083                | 100 (45.4)  |
| K084                | 1 (0.454)   |
| K085                | 10 (4.54)   |
| K086                | 10 (4.54)   |
| K087                | 100 (45.4)  |
| K088                | 10 (4.54)   |
| K090                | 10 (4.54)   |
| K091                | 10 (4.54)   |
| K093                | 5000 (2270)                                       |
| K094                | 5000 (2270)                                       |
| K095                | 100 (45.4)  |
| K096                | 100 (45.4)  |
| K097                | 1 (0.454)   |
| K098                | 1 (0.454)   |
| K099                | 10 (4.54)   |
| K100                | 10 (4.54)   |
| K101                | 1 (0.454)   |
| K102                | 1 (0.454)   |
| K103                | 100 (45.4)  |
| K104                | 10 (4.54)   |
| K105                | 10 (4.54)   |
| K106                | 1 (0.454)   |
| K107                | 10 (4.54)   |
| K108                | 10 (4.54)   |
| K109                | 10 (4.54)   |
| K110                | 10 (4.54)   |
| K111                | 10 (4.54)   |
| K112                | 10 (4.54)   |
| K113                | 10 (4.54)   |
| K114                | 10 (4.54)   |
| K115                | 10 (4.54)   |
| K116                | 10 (4.54)   |
| K117                | 1 (0.454)   |
| K118                | 1 (0.454)   |
| K123                | 10 (4.54)   |
| K124                | 10 (4.54)   |
| K125                | 10 (4.54)   |

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

| Hazardous substance | Reportable quantity (RQ)<br>pounds<br>(kilograms) |
|---------------------|---|
| K126                | 10 (4.54)   |
| K131                | 100 (45.4)  |
| K132                | 1000 (454)  |
| K136                | 1 (0.454)   |
| K141                | 1 (0.454)   |
| K142                | 1 (0.454)   |
| K143                | 1 (0.454)   |
| K144                | 1 (0.454)   |
| K145                | 1 (0.454)   |
| K147                | 1 (0.454)   |
| K148                | 1 (0.454)   |
| K149                | 10 (4.54)   |
| K150                | 10 (4.54)   |
| K151                | 10 (4.54)   |
| K156                | 10 (4.54)   |
| K157                | 10 (4.54)   |
| K158                | 10 (4.54)   |
| K159                | 10 (4.54)   |
| K161                | 1 (0.454)   |
| K169                | 10 (4.54)   |
| K170                | 1 (0.454)   |
| K171                | 1 (0.454)   |
| K172                | 1 (0.454)   |
| K174                | 1 (0.454)   |
| K175                | 1 (0.454)   |
| K176                | 1 (0.454)   |
| K177                | 5000 (2270)                                       |
| K178                | 1000 (454)  |
| K181                | 1 (0.454)   |

cent; The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

cent; cent; The RQ for asbestos is limited to friable forms only.

® Indicates that the name was added by PHMSA because (1) the name is a synonym for a specific hazardous substance and (2) the name appears in the Hazardous Materials Table as a proper shipping name.

\* To provide consistency with EPA regulations, two entries with different CAS numbers are provided. Refer to the EPA Table 302.4—List of Hazardous Substances and Reportable Quantities for an explanation of the two entries.

LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

TABLE 2 TO APPENDIX A—RADIONUCLIDES

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ)<br>Ci (TBq) |
|------------------|-------------------|--|
| Actinium-224     | 89                | 100 (3.7)                                |
| Actinium-225     | 89                | 1 (.037)                                 |
| Actinium-226     | 89                | 10 (.37)                                 |
| Actinium-227     | 89                | 0.001 (.00037)                           |
| Actinium-228     | 89                | 10 (.37)                                 |
| Aluminum-26      | 13                | 10 (.37)                                 |
| Americium-237    | 95                | 1000 (37)                                |
| Americium-238    | 95                | 100 (3.7)                                |
| Americium-239    | 95                | 100 (3.7)                                |
| Americium-240    | 95                | 10 (.37)                                 |
| Americium-241    | 95                | 0.01 (.00037)                            |
| Americium-242    | 95                | 100 (3.7)                                |
| Americium-242m   | 95                | 0.01 (.00037)                            |
| Americium-243    | 95                | 0.01 (.00037)                            |
| Americium-244    | 95                | 10 (.37)                                 |
| Americium-244m   | 95                | 1000 (37)                                |
| Americium-245    | 95                | 1000 (37)                                |
| Americium-246    | 95                | 1000 (37)                                |
| Americium-246m   | 95                | 1000 (37)                                |
| Antimony-115     | 51                | 1000 (37)                                |
| Antimony-116     | 51                | 1000 (37)                                |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

| (1)—Radionuclide        | (2)—Atomic Number | (3)—Reportable Quantity (RQ)<br>Ci (TBq) |
|-------------------------|-------------------|--|
| Antimony-116m           | 51                | 100 (3.7)                                |
| Antimony-117            | 51                | 1000 (37)                                |
| Antimony-118m           | 51                | 10 (.37)                                 |
| Antimony-119            | 51                | 1000 (37)                                |
| Antimony-120 (16 min)   | 51                | 1000 (37)                                |
| Antimony-120 (5.76 day) | 51                | 10 (.37)                                 |
| Antimony-122            | 51                | 10 (.37)                                 |
| Antimony-124            | 51                | 10 (.37)                                 |
| Antimony-124m           | 51                | 1000 (37)                                |
| Antimony-125            | 51                | 10 (.37)                                 |
| Antimony-126            | 51                | 10 (.37)                                 |
| Antimony-126m           | 51                | 1000 (37)                                |
| Antimony-127            | 51                | 10 (.37)                                 |
| Antimony-128 (10.4 min) | 51                | 1000 (37)                                |
| Antimony-128 (9.01 hr)  | 51                | 10 (.37)                                 |
| Antimony-129            | 51                | 100 (3.7)                                |
| Antimony-130            | 51                | 100 (3.7)                                |
| Antimony-131            | 51                | 1000 (37)                                |
| Argon-39                | 18                | 1000 (37)                                |
| Argon-41                | 18                | 10 (.37)                                 |
| Arsenic-69              | 33                | 1000 (37)                                |
| Arsenic-70              | 33                | 100 (3.7)                                |
| Arsenic-71              | 33                | 100 (3.7)                                |

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide | (2)—<br>Atomic<br>Number | (3)—Reportable<br>Quantity (RQ)<br>Ci (TBq) |
|------------------|--------------------------|---|
| Arsenic-72       | 33                       | 10 (.37)                                    |
| Arsenic-73       | 33                       | 100 (3.7)                                   |
| Arsenic-74       | 33                       | 10 (.37)                                    |
| Arsenic-76       | 33                       | 100 (3.7)                                   |
| Arsenic-77       | 33                       | 1000 (37)                                   |
| Arsenic-78       | 33                       | 100 (3.7)                                   |
| Astatine-207     | 85                       | 100 (3.7)                                   |
| Astatine-211     | 85                       | 100 (3.7)                                   |
| Barium-126       | 56                       | 1000 (37)                                   |
| Barium-128       | 56                       | 10 (.37)                                    |
| Barium-131       | 56                       | 10 (.37)                                    |
| Barium-131m      | 56                       | 1000 (37)                                   |
| Barium-133       | 56                       | 10 (.37)                                    |
| Barium-133m      | 56                       | 100 (3.7)                                   |
| Barium-135m      | 56                       | 1000 (37)                                   |
| Barium-139       | 56                       | 1000 (37)                                   |
| Barium-140       | 56                       | 10 (.37)                                    |
| Barium-141       | 56                       | 1000 (37)                                   |
| Barium-142       | 56                       | 1000 (37)                                   |
| Berkelium-245    | 97                       | 100 (3.7)                                   |
| Berkelium-246    | 97                       | 10 (.37)                                    |
| Berkelium-247    | 97                       | 0.01 (.00037)                               |
| Berkelium-249    | 97                       | 1 (.037)                                    |
| Berkelium-250    | 97                       | 100 (3.7)                                   |
| Beryllium-10     | 4                        | 1 (.037)                                    |
| Beryllium-7      | 4                        | 100 (3.7)                                   |
| Bismuth-200      | 83                       | 100 (3.7)                                   |
| Bismuth-201      | 83                       | 100 (3.7)                                   |
| Bismuth-202      | 83                       | 1000 (37)                                   |
| Bismuth-203      | 83                       | 10 (.37)                                    |
| Bismuth-205      | 83                       | 10 (.37)                                    |
| Bismuth-206      | 83                       | 10 (.37)                                    |
| Bismuth-207      | 83                       | 10 (.37)                                    |
| Bismuth-210      | 83                       | 10 (.37)                                    |
| Bismuth-210m     | 83                       | 0.1 (.0037)                                 |
| Bismuth-212      | 83                       | 100 (3.7)                                   |
| Bismuth-213      | 83                       | 100 (3.7)                                   |
| Bismuth-214      | 83                       | 100 (3.7)                                   |
| Bromine-74       | 35                       | 100 (3.7)                                   |
| Bromine-74m      | 35                       | 100 (3.7)                                   |
| Bromine-75       | 35                       | 100 (3.7)                                   |
| Bromine-76       | 35                       | 10 (.37)                                    |
| Bromine-77       | 35                       | 100 (3.7)                                   |
| Bromine-80       | 35                       | 1000 (37)                                   |
| Bromine-80m      | 35                       | 1000 (37)                                   |
| Bromine-82       | 35                       | 10 (.37)                                    |
| Bromine-83       | 35                       | 1000 (37)                                   |
| Bromine-84       | 35                       | 100 (3.7)                                   |
| Cadmium-104      | 48                       | 1000 (37)                                   |
| Cadmium-107      | 48                       | 1000 (37)                                   |
| Cadmium-109      | 48                       | 1 (.037)                                    |
| Cadmium-113      | 48                       | 0.1 (.0037)                                 |
| Cadmium-113m     | 48                       | 0.1 (.0037)                                 |
| Cadmium-115      | 48                       | 100 (3.7)                                   |
| Cadmium-115m     | 48                       | 10 (.37)                                    |
| Cadmium-117      | 48                       | 100 (3.7)                                   |
| Cadmium-117m     | 48                       | 10 (.37)                                    |
| Calcium-41       | 20                       | 10 (.37)                                    |
| Calcium-45       | 20                       | 10 (.37)                                    |
| Calcium-47       | 20                       | 10 (.37)                                    |
| Californium-244  | 98                       | 1000 (37)                                   |
| Californium-246  | 98                       | 10 (.37)                                    |
| Californium-248  | 98                       | 0.1 (.0037)                                 |
| Californium-249  | 98                       | 0.01 (.00037)                               |
| Californium-250  | 98                       | 0.01 (.00037)                               |
| Californium-251  | 98                       | 0.01 (.00037)                               |
| Californium-252  | 98                       | 0.1 (.0037)                                 |
| Californium-253  | 98                       | 10 (.37)                                    |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide | (2)—<br>Atomic<br>Number | (3)—Reportable<br>Quantity (RQ)<br>Ci (TBq) |
|------------------|--------------------------|---|
| Californium-254  | 98                       | 0.1 (.0037)                                 |
| Carbon-11        | 6                        | 1000 (37)                                   |
| Carbon-14        | 6                        | 10 (.37)                                    |
| Cerium-134       | 58                       | 10 (.37)                                    |
| Cerium-135       | 58                       | 10 (.37)                                    |
| Cerium-137       | 58                       | 1000 (37)                                   |
| Cerium-137m      | 58                       | 100 (3.7)                                   |
| Cerium-139       | 58                       | 100 (3.7)                                   |
| Cerium-141       | 58                       | 10 (.37)                                    |
| Cerium-143       | 58                       | 100 (3.7)                                   |
| Cerium-144       | 58                       | 1 (.037)                                    |
| Cesium-125       | 55                       | 1000 (37)                                   |
| Cesium-127       | 55                       | 100 (3.7)                                   |
| Cesium-129       | 55                       | 100 (3.7)                                   |
| Cesium-130       | 55                       | 1000 (37)                                   |
| Cesium-131       | 55                       | 1000 (37)                                   |
| Cesium-132       | 55                       | 10 (.37)                                    |
| Cesium-134       | 55                       | 1 (.037)                                    |
| Cesium-134m      | 55                       | 1000 (37)                                   |
| Cesium-135       | 55                       | 10 (.37)                                    |
| Cesium-135m      | 55                       | 100 (3.7)                                   |
| Cesium-136       | 55                       | 10 (.37)                                    |
| Cesium-137       | 55                       | 1 (.037)                                    |
| Cesium-138       | 55                       | 100 (3.7)                                   |
| Chlorine-36      | 17                       | 10 (.37)                                    |
| Chlorine-38      | 17                       | 100 (3.7)                                   |
| Chlorine-39      | 17                       | 100 (3.7)                                   |
| Chromium-48      | 24                       | 100 (3.7)                                   |
| Chromium-49      | 24                       | 1000 (37)                                   |
| Chromium-51      | 24                       | 1000 (37)                                   |
| Cobalt-55        | 27                       | 10 (.37)                                    |
| Cobalt-56        | 27                       | 10 (.37)                                    |
| Cobalt-57        | 27                       | 100 (3.7)                                   |
| Cobalt-58        | 27                       | 10 (.37)                                    |
| Cobalt-58m       | 27                       | 1000 (37)                                   |
| Cobalt-60        | 27                       | 10 (.37)                                    |
| Cobalt-60m       | 27                       | 1000 (37)                                   |
| Cobalt-61        | 27                       | 1000 (37)                                   |
| Cobalt-62m       | 27                       | 1000 (37)                                   |
| Copper-60        | 29                       | 100 (3.7)                                   |
| Copper-61        | 29                       | 100 (3.7)                                   |
| Copper-64        | 29                       | 1000 (37)                                   |
| Copper-67        | 29                       | 100 (3.7)                                   |
| Curium-238       | 96                       | 1000 (37)                                   |
| Curium-240       | 96                       | 1 (.037)                                    |
| Curium-241       | 96                       | 10 (.37)                                    |
| Curium-242       | 96                       | 1 (.037)                                    |
| Curium-243       | 96                       | 0.01 (.00037)                               |
| Curium-244       | 96                       | 0.01 (.00037)                               |
| Curium-245       | 96                       | 0.01 (.00037)                               |
| Curium-246       | 96                       | 0.01 (.00037)                               |
| Curium-247       | 96                       | 0.01 (.00037)                               |
| Curium-248       | 96                       | 0.001 (.00037)                              |
| Curium-249       | 96                       | 1000 (37)                                   |
| Dysprosium-155   | 66                       | 100 (3.7)                                   |
| Dysprosium-157   | 66                       | 100 (3.7)                                   |
| Dysprosium-159   | 66                       | 100 (3.7)                                   |
| Dysprosium-165   | 66                       | 1000 (37)                                   |
| Dysprosium-166   | 66                       | 10 (.37)                                    |
| Einsteinium-250  | 99                       | 10 (.37)                                    |
| Einsteinium-251  | 99                       | 1000 (37)                                   |
| Einsteinium-253  | 99                       | 10 (.37)                                    |
| Einsteinium-254  | 99                       | 0.1 (.0037)                                 |
| Einsteinium-254m | 99                       | 1 (.037)                                    |
| Erbium-161       | 68                       | 100 (3.7)                                   |
| Erbium-165       | 68                       | 1000 (37)                                   |
| Erbium-169       | 68                       | 100 (3.7)                                   |
| Erbium-171       | 68                       | 100 (3.7)                                   |



TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide       | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------------|-------------------|---------------------------------------|
| Erbium-172             | 68                | 10 (.37)                              |
| Europium-145           | 63                | 10 (.37)                              |
| Europium-146           | 63                | 10 (.37)                              |
| Europium-147           | 63                | 10 (.37)                              |
| Europium-148           | 63                | 10 (.37)                              |
| Europium-149           | 63                | 100 (3.7)                             |
| Europium-150 (12.6 hr) | 63                | 1000 (37)                             |
| Europium-150 (34.2 yr) | 63                | 10 (.37)                              |
| Europium-152           | 63                | 10 (.37)                              |
| Europium-152m          | 63                | 100 (3.7)                             |
| Europium-154           | 63                | 10 (.37)                              |
| Europium-155           | 63                | 10 (.37)                              |
| Europium-156           | 63                | 10 (.37)                              |
| Europium-157           | 63                | 10 (.37)                              |
| Europium-158           | 63                | 1000 (37)                             |
| Fermium-252            | 100               | 10 (.37)                              |
| Fermium-253            | 100               | 10 (.37)                              |
| Fermium-254            | 100               | 100 (3.7)                             |
| Fermium-255            | 100               | 100 (3.7)                             |
| Fermium-257            | 100               | 1 (.037)                              |
| Fluorine-18            | 9                 | 1000 (37)                             |
| Francium-222           | 87                | 100 (3.7)                             |
| Francium-223           | 87                | 100 (3.7)                             |
| Gadolinium-145         | 64                | 100 (3.7)                             |
| Gadolinium-146         | 64                | 10 (.37)                              |
| Gadolinium-147         | 64                | 10 (.37)                              |
| Gadolinium-148         | 64                | 0.001 (.000037)                       |
| Gadolinium-149         | 64                | 100 (3.7)                             |
| Gadolinium-151         | 64                | 100 (3.7)                             |
| Gadolinium-152         | 64                | 0.001 (.000037)                       |
| Gadolinium-153         | 64                | 10 (.37)                              |
| Gadolinium-159         | 64                | 1000 (37)                             |
| Gallium-65             | 31                | 1000 (37)                             |
| Gallium-66             | 31                | 10 (.37)                              |
| Gallium-67             | 31                | 100 (3.7)                             |
| Gallium-68             | 31                | 1000 (37)                             |
| Gallium-70             | 31                | 1000 (37)                             |
| Gallium-72             | 31                | 10 (.37)                              |
| Gallium-73             | 31                | 100 (3.7)                             |
| Germanium-66           | 32                | 100 (3.7)                             |
| Germanium-67           | 32                | 1000 (37)                             |
| Germanium-68           | 32                | 10 (.37)                              |
| Germanium-69           | 32                | 10 (.37)                              |
| Germanium-71           | 32                | 1000 (37)                             |
| Germanium-75           | 32                | 1000 (37)                             |
| Germanium-77           | 32                | 10 (.37)                              |
| Germanium-78           | 32                | 1000 (37)                             |
| Gold-193               | 79                | 100 (3.7)                             |
| Gold-194               | 79                | 10 (.37)                              |
| Gold-195               | 79                | 100 (3.7)                             |
| Gold-198               | 79                | 100 (3.7)                             |
| Gold-198m              | 79                | 10 (.37)                              |
| Gold-199               | 79                | 100 (3.7)                             |
| Gold-200               | 79                | 1000 (37)                             |
| Gold-200m              | 79                | 10 (.37)                              |
| Gold-201               | 79                | 1000 (37)                             |
| Hafnium-170            | 72                | 100 (3.7)                             |
| Hafnium-172            | 72                | 1 (.037)                              |
| Hafnium-173            | 72                | 100 (3.7)                             |
| Hafnium-175            | 72                | 100 (3.7)                             |
| Hafnium-177m           | 72                | 1000 (37)                             |
| Hafnium-178m           | 72                | 0.1 (.0037)                           |
| Hafnium-179m           | 72                | 100 (3.7)                             |
| Hafnium-180m           | 72                | 100 (3.7)                             |
| Hafnium-181            | 72                | 10 (.37)                              |
| Hafnium-182            | 72                | 0.1 (.0037)                           |
| Hafnium-182m           | 72                | 100 (3.7)                             |
| Hafnium-183            | 72                | 100 (3.7)                             |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide      | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|-----------------------|-------------------|---------------------------------------|
| Hafnium-184           | 72                | 100 (3.7)                             |
| Holmium-155           | 67                | 1000 (37)                             |
| Holmium-157           | 67                | 1000 (37)                             |
| Holmium-159           | 67                | 1000 (37)                             |
| Holmium-161           | 67                | 1000 (37)                             |
| Holmium-162           | 67                | 1000 (37)                             |
| Holmium-162m          | 67                | 1000 (37)                             |
| Holmium-164           | 67                | 1000 (37)                             |
| Holmium-164m          | 67                | 1000 (37)                             |
| Holmium-166           | 67                | 100 (3.7)                             |
| Holmium-166m          | 67                | 1 (.037)                              |
| Holmium-167           | 67                | 100 (3.7)                             |
| Hydrogen-3            | 1                 | 100 (3.7)                             |
| Indium-109            | 49                | 100 (3.7)                             |
| Indium-110 (4.9 hr)   | 49                | 10 (.37)                              |
| Indium-110 (69.1 min) | 49                | 100 (3.7)                             |
| Indium-111            | 49                | 100 (3.7)                             |
| Indium-112            | 49                | 1000 (37)                             |
| Indium-113m           | 49                | 1000 (37)                             |
| Indium-114m           | 49                | 10 (.37)                              |
| Indium-115            | 49                | 0.1 (.0037)                           |
| Indium-115m           | 49                | 100 (3.7)                             |
| Indium-116m           | 49                | 100 (3.7)                             |
| Indium-117            | 49                | 1000 (37)                             |
| Indium-117m           | 49                | 100 (3.7)                             |
| Indium-119m           | 49                | 1000 (37)                             |
| Iodine-120            | 53                | 10 (.37)                              |
| Iodine-120m           | 53                | 100 (3.7)                             |
| Iodine-121            | 53                | 100 (3.7)                             |
| Iodine-123            | 53                | 10 (.37)                              |
| Iodine-124            | 53                | 0.1 (.0037)                           |
| Iodine-125            | 53                | 0.01 (.00037)                         |
| Iodine-126            | 53                | 0.01 (.00037)                         |
| Iodine-128            | 53                | 1000 (37)                             |
| Iodine-129            | 53                | 0.001 (.000037)                       |
| Iodine-130            | 53                | 1 (.037)                              |
| Iodine-131            | 53                | 0.01 (.00037)                         |
| Iodine-132            | 53                | 10 (.37)                              |
| Iodine-132m           | 53                | 10 (.37)                              |
| Iodine-133            | 53                | 0.1 (.0037)                           |
| Iodine-134            | 53                | 100 (3.7)                             |
| Iodine-135            | 53                | 10 (.37)                              |
| Iridium-182           | 77                | 1000 (37)                             |
| Iridium-184           | 77                | 100 (3.7)                             |
| Iridium-185           | 77                | 100 (3.7)                             |
| Iridium-186           | 77                | 10 (.37)                              |
| Iridium-187           | 77                | 100 (3.7)                             |
| Iridium-188           | 77                | 10 (.37)                              |
| Iridium-189           | 77                | 100 (3.7)                             |
| Iridium-190           | 77                | 10 (.37)                              |
| Iridium-190m          | 77                | 1000 (37)                             |
| Iridium-192           | 77                | 10 (.37)                              |
| Iridium-192m          | 77                | 100 (3.7)                             |
| Iridium-194           | 77                | 100 (3.7)                             |
| Iridium-194m          | 77                | 10 (.37)                              |
| Iridium-195           | 77                | 1000 (37)                             |
| Iridium-195m          | 77                | 100 (3.7)                             |
| Iron-52               | 26                | 100 (3.7)                             |
| Iron-55               | 26                | 100 (3.7)                             |
| Iron-59               | 26                | 10 (.37)                              |
| Iron-60               | 26                | 0.1 (.0037)                           |
| Krypton-74            | 36                | 10 (.37)                              |
| Krypton-76            | 36                | 10 (.37)                              |
| Krypton-77            | 36                | 10 (.37)                              |
| Krypton-79            | 36                | 100 (3.7)                             |
| Krypton-81            | 36                | 1000 (37)                             |
| Krypton-83m           | 36                | 1000 (37)                             |
| Krypton-85            | 36                | 1000 (37)                             |

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| Krypton-85m      | 36                | 100 (3.7)                             |
| Krypton-87       | 36                | 10 (.37)                              |
| Krypton-88       | 36                | 10 (.37)                              |
| Lanthanum-131    | 57                | 1000 (37)                             |
| Lanthanum-132    | 57                | 100 (3.7)                             |
| Lanthanum-135    | 57                | 1000 (37)                             |
| Lanthanum-137    | 57                | 10 (.37)                              |
| Lanthanum-138    | 57                | 1 (.037)                              |
| Lanthanum-140    | 57                | 10 (.37)                              |
| Lanthanum-141    | 57                | 1000 (37)                             |
| Lanthanum-142    | 57                | 100 (3.7)                             |
| Lanthanum-143    | 57                | 1000 (37)                             |
| Lead-195m        | 82                | 1000 (37)                             |
| Lead-198         | 82                | 100 (3.7)                             |
| Lead-199         | 82                | 100 (3.7)                             |
| Lead-200         | 82                | 100 (3.7)                             |
| Lead-201         | 82                | 100 (3.7)                             |
| Lead-202         | 82                | 1 (.037)                              |
| Lead-202m        | 82                | 10 (.37)                              |
| Lead-203         | 82                | 100 (3.7)                             |
| Lead-205         | 82                | 100 (3.7)                             |
| Lead-209         | 82                | 1000 (37)                             |
| Lead-210         | 82                | 0.01 (.00037)                         |
| Lead-211         | 82                | 100 (3.7)                             |
| Lead-212         | 82                | 10 (.37)                              |
| Lead-214         | 82                | 100 (3.7)                             |
| Lutetium-169     | 71                | 10 (.37)                              |
| Lutetium-170     | 71                | 10 (.37)                              |
| Lutetium-171     | 71                | 10 (.37)                              |
| Lutetium-172     | 71                | 10 (.37)                              |
| Lutetium-173     | 71                | 100 (3.7)                             |
| Lutetium-174     | 71                | 10 (.37)                              |
| Lutetium-174m    | 71                | 10 (.37)                              |
| Lutetium-176     | 71                | 1 (.037)                              |
| Lutetium-176m    | 71                | 1000 (37)                             |
| Lutetium-177     | 71                | 100 (3.7)                             |
| Lutetium-177m    | 71                | 10 (.37)                              |
| Lutetium-178     | 71                | 1000 (37)                             |
| Lutetium-178m    | 71                | 1000 (37)                             |
| Lutetium-179     | 71                | 1000 (37)                             |
| Magnesium-28     | 12                | 10 (.37)                              |
| Manganese-51     | 25                | 1000 (37)                             |
| Manganese-52     | 25                | 10 (.37)                              |
| Manganese-52m    | 25                | 1000 (37)                             |
| Manganese-53     | 25                | 1000 (37)                             |
| Manganese-54     | 25                | 10 (.37)                              |
| Manganese-56     | 25                | 100 (3.7)                             |
| Mendelevium-257  | 101               | 100 (3.7)                             |
| Mendelevium-258  | 101               | 1 (.037)                              |
| Mercury-193      | 80                | 100 (3.7)                             |
| Mercury-193m     | 80                | 10 (.37)                              |
| Mercury-194      | 80                | 0.1 (.0037)                           |
| Mercury-195      | 80                | 100 (3.7)                             |
| Mercury-195m     | 80                | 100 (3.7)                             |
| Mercury-197      | 80                | 1000 (37)                             |
| Mercury-197m     | 80                | 1000 (37)                             |
| Mercury-199m     | 80                | 1000 (37)                             |
| Mercury-203      | 80                | 10 (.37)                              |
| Molybdenum-101   | 42                | 1000 (37)                             |
| Molybdenum-90    | 42                | 100 (3.7)                             |
| Molybdenum-93    | 42                | 100 (3.7)                             |
| Molybdenum-93m   | 42                | 10 (.37)                              |
| Molybdenum-99    | 42                | 100 (3.7)                             |
| Neodymium-136    | 60                | 1000 (37)                             |
| Neodymium-138    | 60                | 1000 (37)                             |
| Neodymium-139    | 60                | 1000 (37)                             |
| Neodymium-139m   | 60                | 100 (3.7)                             |
| Neodymium-141    | 60                | 1000 (37)                             |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide           | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|----------------------------|-------------------|---------------------------------------|
| Neodymium-147              | 60                | 10 (.37)                              |
| Neodymium-149              | 60                | 100 (3.7)                             |
| Neodymium-151              | 60                | 1000 (37)                             |
| Neptunium-232              | 93                | 1000 (37)                             |
| Neptunium-233              | 93                | 1000 (37)                             |
| Neptunium-234              | 93                | 10 (.37)                              |
| Neptunium-235              | 93                | 1000 (37)                             |
| Neptunium-236 (1.2 E 5 yr) | 93                | 0.1 (.0037)                           |
| Neptunium-236 (22.5 hr)    | 93                | 100 (3.7)                             |
| Neptunium-237              | 93                | 0.01 (.00037)                         |
| Neptunium-238              | 93                | 10 (.37)                              |
| Neptunium-239              | 93                | 100 (3.7)                             |
| Neptunium-240              | 93                | 100 (3.7)                             |
| Nickel-56                  | 28                | 10 (.37)                              |
| Nickel-57                  | 28                | 10 (.37)                              |
| Nickel-59                  | 28                | 100 (3.7)                             |
| Nickel-63                  | 28                | 100 (3.7)                             |
| Nickel-65                  | 28                | 100 (3.7)                             |
| Nickel-66                  | 28                | 10 (.37)                              |
| Niobium-88                 | 41                | 100 (3.7)                             |
| Niobium-89 (122 min)       | 41                | 100 (3.7)                             |
| Niobium-89 (66 min)        | 41                | 100 (3.7)                             |
| Niobium-90                 | 41                | 10 (.37)                              |
| Niobium-93m                | 41                | 100 (3.7)                             |
| Niobium-94                 | 41                | 10 (.37)                              |
| Niobium-95                 | 41                | 10 (.37)                              |
| Niobium-95m                | 41                | 100 (3.7)                             |
| Niobium-96                 | 41                | 10 (.37)                              |
| Niobium-97                 | 41                | 100 (3.7)                             |
| Niobium-98                 | 41                | 1000 (37)                             |
| Osmium-180                 | 76                | 1000 (37)                             |
| Osmium-181                 | 76                | 100 (3.7)                             |
| Osmium-182                 | 76                | 100 (3.7)                             |
| Osmium-185                 | 76                | 10 (.37)                              |
| Osmium-189m                | 76                | 1000 (37)                             |
| Osmium-191                 | 76                | 100 (3.7)                             |
| Osmium-191m                | 76                | 1000 (37)                             |
| Osmium-193                 | 76                | 100 (3.7)                             |
| Osmium-194                 | 76                | 1 (.037)                              |
| Palladium-100              | 46                | 100 (3.7)                             |
| Palladium-101              | 46                | 100 (3.7)                             |
| Palladium-103              | 46                | 100 (3.7)                             |
| Palladium-107              | 46                | 100 (3.7)                             |
| Palladium-109              | 46                | 1000 (37)                             |
| Phosphorus-32              | 15                | 0.1 (.0037)                           |
| Phosphorus-33              | 15                | 1 (.037)                              |
| Platinum-186               | 78                | 100 (3.7)                             |
| Platinum-188               | 78                | 100 (3.7)                             |
| Platinum-189               | 78                | 100 (3.7)                             |
| Platinum-191               | 78                | 100 (3.7)                             |
| Platinum-193               | 78                | 1000 (37)                             |
| Platinum-193m              | 78                | 100 (3.7)                             |
| Platinum-195m              | 78                | 100 (3.7)                             |
| Platinum-197               | 78                | 1000 (37)                             |
| Platinum-197m              | 78                | 1000 (37)                             |
| Platinum-199               | 78                | 1000 (37)                             |
| Platinum-200               | 78                | 100 (3.7)                             |
| Plutonium-234              | 94                | 1000 (37)                             |
| Plutonium-235              | 94                | 1000 (37)                             |
| Plutonium-236              | 94                | 0.1 (.0037)                           |
| Plutonium-237              | 94                | 1000 (37)                             |
| Plutonium-238              | 94                | 0.01 (.00037)                         |
| Plutonium-239              | 94                | 0.01 (.00037)                         |
| Plutonium-240              | 94                | 0.01 (.00037)                         |
| Plutonium-241              | 94                | 1 (.037)                              |
| Plutonium-242              | 94                | 0.01 (.00037)                         |
| Plutonium-243              | 94                | 1000 (37)                             |
| Plutonium-244              | 94                | 0.01 (.00037)                         |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide      | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|-----------------------|-------------------|---------------------------------------|
| Plutonium-245         | 94                | 100 (3.7)                             |
| Polonium-203          | 84                | 100 (3.7)                             |
| Polonium-205          | 84                | 100 (3.7)                             |
| Polonium-207          | 84                | 10 (.37)                              |
| Polonium-210          | 84                | 0.01 (.00037)                         |
| Potassium-40          | 19                | 1 (.037)                              |
| Potassium-42          | 19                | 100 (3.7)                             |
| Potassium-43          | 19                | 10 (.37)                              |
| Potassium-44          | 19                | 100 (3.7)                             |
| Potassium-45          | 19                | 1000 (37)                             |
| Praseodymium-136      | 59                | 1000 (37)                             |
| Praseodymium-137      | 59                | 1000 (37)                             |
| Praseodymium-138m     | 59                | 100 (3.7)                             |
| Praseodymium-139      | 59                | 1000 (37)                             |
| Praseodymium-142      | 59                | 100 (3.7)                             |
| Praseodymium-142m     | 59                | 1000 (37)                             |
| Praseodymium-143      | 59                | 10 (.37)                              |
| Praseodymium-144      | 59                | 1000 (37)                             |
| Praseodymium-145      | 59                | 1000 (37)                             |
| Praseodymium-147      | 59                | 1000 (37)                             |
| Promethium-141        | 61                | 1000 (37)                             |
| Promethium-143        | 61                | 100 (3.7)                             |
| Promethium-144        | 61                | 10 (.37)                              |
| Promethium-145        | 61                | 100 (3.7)                             |
| Promethium-146        | 61                | 10 (.37)                              |
| Promethium-147        | 61                | 10 (.37)                              |
| Promethium-148        | 61                | 10 (.37)                              |
| Promethium-148m       | 61                | 10 (.37)                              |
| Promethium-149        | 61                | 100 (3.7)                             |
| Promethium-150        | 61                | 100 (3.7)                             |
| Promethium-151        | 61                | 100 (3.7)                             |
| Protactinium-227      | 91                | 100 (3.7)                             |
| Protactinium-228      | 91                | 10 (.37)                              |
| Protactinium-230      | 91                | 10 (.37)                              |
| Protactinium-231      | 91                | 0.01 (.00037)                         |
| Protactinium-232      | 91                | 10 (.37)                              |
| Protactinium-233      | 91                | 100 (3.7)                             |
| Protactinium-234      | 91                | 10 (.37)                              |
| RADIONUCLIDES \$†     |                   | 1 (.037)                              |
| Radium-223            | 88                | 1 (.037)                              |
| Radium-224            | 88                | 10 (.37)                              |
| Radium-225            | 88                | 1 (.037)                              |
| Radium-226 **         | 88                | 0.1 (.0037)                           |
| Radium-227            | 88                | 1000 (37)                             |
| Radium-228            | 88                | 0.1 (.0037)                           |
| Radon-220             | 86                | 0.1 (.0037)                           |
| Radon-222             | 86                | 0.1 (.0037)                           |
| Rhenium-177           | 75                | 1000 (37)                             |
| Rhenium-178           | 75                | 1000 (37)                             |
| Rhenium-181           | 75                | 100 (3.7)                             |
| Rhenium-182 (12.7 hr) | 75                | 10 (.37)                              |
| Rhenium-182 (64.0 hr) | 75                | 10 (.37)                              |
| Rhenium-184           | 75                | 10 (.37)                              |
| Rhenium-184m          | 75                | 10 (.37)                              |
| Rhenium-186           | 75                | 100 (3.7)                             |
| Rhenium-186m          | 75                | 10 (.37)                              |
| Rhenium-187           | 75                | 1000 (37)                             |
| Rhenium-188           | 75                | 1000 (37)                             |
| Rhenium-188m          | 75                | 1000 (37)                             |
| Rhenium-189           | 75                | 1000 (37)                             |
| Rhodium-100           | 45                | 10 (.37)                              |
| Rhodium-101           | 45                | 10 (.37)                              |
| Rhodium-101m          | 45                | 100 (3.7)                             |
| Rhodium-102           | 45                | 10 (.37)                              |
| Rhodium-102m          | 45                | 10 (.37)                              |
| Rhodium-103m          | 45                | 1000 (37)                             |
| Rhodium-105           | 45                | 100 (3.7)                             |
| Rhodium-106m          | 45                | 10 (.37)                              |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| Rhodium-107      | 45                | 1000 (37)                             |
| Rhodium-99       | 45                | 10 (.37)                              |
| Rhodium-99m      | 45                | 100 (3.7)                             |
| Rubidium-79      | 37                | 1000 (37)                             |
| Rubidium-81      | 37                | 100 (3.7)                             |
| Rubidium-81m     | 37                | 1000 (37)                             |
| Rubidium-82m     | 37                | 10 (.37)                              |
| Rubidium-83      | 37                | 10 (.37)                              |
| Rubidium-84      | 37                | 10 (.37)                              |
| Rubidium-86      | 37                | 10 (.37)                              |
| Rubidium-87      | 37                | 10 (.37)                              |
| Rubidium-88      | 37                | 1000 (37)                             |
| Rubidium-89      | 37                | 1000 (37)                             |
| Ruthenium-103    | 44                | 10 (.37)                              |
| Ruthenium-105    | 44                | 100 (3.7)                             |
| Ruthenium-106    | 44                | 1 (.037)                              |
| Ruthenium-94     | 44                | 1000 (37)                             |
| Ruthenium-97     | 44                | 100 (3.7)                             |
| Samarium-141     | 62                | 1000 (37)                             |
| Samarium-141m    | 62                | 1000 (37)                             |
| Samarium-142     | 62                | 1000 (37)                             |
| Samarium-145     | 62                | 100 (3.7)                             |
| Samarium-146     | 62                | 0.01 (.00037)                         |
| Samarium-147     | 62                | 0.01 (.00037)                         |
| Samarium-151     | 62                | 10 (.37)                              |
| Samarium-153     | 62                | 100 (3.7)                             |
| Samarium-155     | 62                | 1000 (37)                             |
| Samarium-156     | 62                | 100 (3.7)                             |
| Scandium-43      | 21                | 1000 (37)                             |
| Scandium-44      | 21                | 100 (3.7)                             |
| Scandium-44m     | 21                | 10 (.37)                              |
| Scandium-46      | 21                | 10 (.37)                              |
| Scandium-47      | 21                | 100 (3.7)                             |
| Scandium-48      | 21                | 10 (.37)                              |
| Scandium-49      | 21                | 1000 (37)                             |
| Selenium-70      | 34                | 1000 (37)                             |
| Selenium-73      | 34                | 10 (.37)                              |
| Selenium-73m     | 34                | 100 (3.7)                             |
| Selenium-75      | 34                | 10 (.37)                              |
| Selenium-79      | 34                | 10 (.37)                              |
| Selenium-81      | 34                | 1000 (37)                             |
| Selenium-81m     | 34                | 1000 (37)                             |
| Selenium-83      | 34                | 1000 (37)                             |
| Silicon-31       | 14                | 1000 (37)                             |
| Silicon-32       | 14                | 1 (.037)                              |
| Silver-102       | 47                | 100 (3.7)                             |
| Silver-103       | 47                | 1000 (37)                             |
| Silver-104       | 47                | 1000 (37)                             |
| Silver-104m      | 47                | 1000 (37)                             |
| Silver-105       | 47                | 10 (.37)                              |
| Silver-106       | 47                | 1000 (37)                             |
| Silver-106m      | 47                | 10 (.37)                              |
| Silver-108m      | 47                | 10 (.37)                              |
| Silver-110m      | 47                | 10 (.37)                              |
| Silver-111       | 47                | 10 (.37)                              |
| Silver-112       | 47                | 100 (3.7)                             |
| Silver-115       | 47                | 1000 (37)                             |
| Sodium-22        | 11                | 10 (.37)                              |
| Sodium-24        | 11                | 10 (.37)                              |
| Strontium-80     | 38                | 100 (3.7)                             |
| Strontium-81     | 38                | 1000 (37)                             |
| Strontium-83     | 38                | 100 (3.7)                             |
| Strontium-85     | 38                | 10 (.37)                              |
| Strontium-85m    | 38                | 1000 (37)                             |
| Strontium-87m    | 38                | 100 (3.7)                             |
| Strontium-89     | 38                | 10 (.37)                              |
| Strontium-90     | 38                | 0.1 (.0037)                           |
| Strontium-91     | 38                | 10 (.37)                              |

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide       | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------------|-------------------|---------------------------------------|
| Strontium-92           | 38                | 100 (3.7)                             |
| Sulfur-35              | 16                | 1 (.037)                              |
| Tantalum-172           | 73                | 100 (3.7)                             |
| Tantalum-173           | 73                | 100 (3.7)                             |
| Tantalum-174           | 73                | 100 (3.7)                             |
| Tantalum-175           | 73                | 100 (3.7)                             |
| Tantalum-176           | 73                | 10 (.37)                              |
| Tantalum-177           | 73                | 1000 (37)                             |
| Tantalum-178           | 73                | 1000 (37)                             |
| Tantalum-179           | 73                | 1000 (37)                             |
| Tantalum-180           | 73                | 100 (3.7)                             |
| Tantalum-180m          | 73                | 1000 (37)                             |
| Tantalum-182           | 73                | 10 (.37)                              |
| Tantalum-182m          | 73                | 1000 (37)                             |
| Tantalum-183           | 73                | 100 (3.7)                             |
| Tantalum-184           | 73                | 10 (.37)                              |
| Tantalum-185           | 73                | 1000 (37)                             |
| Tantalum-186           | 73                | 1000 (37)                             |
| Technetium-101         | 43                | 1000 (37)                             |
| Technetium-104         | 43                | 1000 (37)                             |
| Technetium-93          | 43                | 100 (3.7)                             |
| Technetium-93m         | 43                | 1000 (37)                             |
| Technetium-94          | 43                | 10 (.37)                              |
| Technetium-94m         | 43                | 100 (3.7)                             |
| Technetium-96          | 43                | 10 (.37)                              |
| Technetium-96m         | 43                | 1000 (37)                             |
| Technetium-97          | 43                | 100 (3.7)                             |
| Technetium-97m         | 43                | 100 (3.7)                             |
| Technetium-98          | 43                | 10 (.37)                              |
| Technetium-99          | 43                | 10 (.37)                              |
| Technetium-99m         | 43                | 100 (3.7)                             |
| Tellurium-116          | 52                | 1000 (37)                             |
| Tellurium-121          | 52                | 10 (.37)                              |
| Tellurium-121m         | 52                | 10 (.37)                              |
| Tellurium-123          | 52                | 10 (.37)                              |
| Tellurium-123m         | 52                | 10 (.37)                              |
| Tellurium-125m         | 52                | 10 (.37)                              |
| Tellurium-127          | 52                | 1000 (37)                             |
| Tellurium-127m         | 52                | 10 (.37)                              |
| Tellurium-129          | 52                | 1000 (37)                             |
| Tellurium-129m         | 52                | 10 (.37)                              |
| Tellurium-131          | 52                | 1000 (37)                             |
| Tellurium-131m         | 52                | 10 (.37)                              |
| Tellurium-132          | 52                | 10 (.37)                              |
| Tellurium-133          | 52                | 1000 (37)                             |
| Tellurium-133m         | 52                | 1000 (37)                             |
| Tellurium-134          | 52                | 1000 (37)                             |
| Terbium-147            | 65                | 100 (3.7)                             |
| Terbium-149            | 65                | 100 (3.7)                             |
| Terbium-150            | 65                | 100 (3.7)                             |
| Terbium-151            | 65                | 10 (.37)                              |
| Terbium-153            | 65                | 100 (3.7)                             |
| Terbium-154            | 65                | 10 (.37)                              |
| Terbium-155            | 65                | 100 (3.7)                             |
| Terbium-156            | 65                | 10 (.37)                              |
| Terbium-156m (24.4 hr) | 65                | 1000 (37)                             |
| Terbium-156m (5.0 hr)  | 65                | 1000 (37)                             |
| Terbium-157            | 65                | 100 (3.7)                             |
| Terbium-158            | 65                | 10 (.37)                              |
| Terbium-160            | 65                | 10 (.37)                              |
| Terbium-161            | 65                | 100 (3.7)                             |
| Thallium-194           | 81                | 1000 (37)                             |
| Thallium-194m          | 81                | 100 (3.7)                             |
| Thallium-195           | 81                | 100 (3.7)                             |
| Thallium-197           | 81                | 100 (3.7)                             |
| Thallium-198           | 81                | 10 (.37)                              |
| Thallium-198m          | 81                | 100 (3.7)                             |
| Thallium-199           | 81                | 100 (3.7)                             |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide                | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|---------------------------------|-------------------|---------------------------------------|
| Thallium-200                    | 81                | 10 (.37)                              |
| Thallium-201                    | 81                | 1000 (37)                             |
| Thallium-202                    | 81                | 10 (.37)                              |
| Thallium-204                    | 81                | 10 (.37)                              |
| Thorium (Irradiated)            | 90                | ***                                   |
| Thorium (Natural)               | 90                | **                                    |
| Thorium-226                     | 90                | 100 (3.7)                             |
| Thorium-227                     | 90                | 1 (.037)                              |
| Thorium-228                     | 90                | 0.01 (.00037)                         |
| Thorium-229                     | 90                | 0.001 (.000037)                       |
| Thorium-230                     | 90                | 0.01 (.00037)                         |
| Thorium-231                     | 90                | 100 (3.7)                             |
| Thorium-232 **                  | 90                | 0.001 (.000037)                       |
| Thorium-234                     | 90                | 100 (3.7)                             |
| Thulium-162                     | 69                | 1000 (37)                             |
| Thulium-166                     | 69                | 10 (.37)                              |
| Thulium-167                     | 69                | 100 (3.7)                             |
| Thulium-170                     | 69                | 10 (.37)                              |
| Thulium-171                     | 69                | 100 (3.7)                             |
| Thulium-172                     | 69                | 100 (3.7)                             |
| Thulium-173                     | 69                | 100 (3.7)                             |
| Thulium-175                     | 69                | 1000 (37)                             |
| Tin-110                         | 50                | 100 (3.7)                             |
| Tin-111                         | 50                | 1000 (37)                             |
| Tin-113                         | 50                | 10 (.37)                              |
| Tin-117m                        | 50                | 100 (3.7)                             |
| Tin-119m                        | 50                | 10 (.37)                              |
| Tin-121                         | 50                | 1000 (37)                             |
| Tin-121m                        | 50                | 10 (.37)                              |
| Tin-123                         | 50                | 10 (.37)                              |
| Tin-123m                        | 50                | 1000 (37)                             |
| Tin-125                         | 50                | 10 (.37)                              |
| Tin-126                         | 50                | 1 (.037)                              |
| Tin-127                         | 50                | 100 (3.7)                             |
| Tin-128                         | 50                | 1000 (37)                             |
| Titanium-44                     | 22                | 1 (.037)                              |
| Titanium-45                     | 22                | 1000 (37)                             |
| Tungsten-176                    | 74                | 1000 (37)                             |
| Tungsten-177                    | 74                | 100 (3.7)                             |
| Tungsten-178                    | 74                | 100 (3.7)                             |
| Tungsten-179                    | 74                | 1000 (37)                             |
| Tungsten-181                    | 74                | 100 (3.7)                             |
| Tungsten-185                    | 74                | 10 (.37)                              |
| Tungsten-187                    | 74                | 100 (3.7)                             |
| Tungsten-188                    | 74                | 10 (.37)                              |
| Uranium (Depleted)              | 92                | ***                                   |
| Uranium (Irradiated)            | 92                | ***                                   |
| Uranium (Natural)               | 92                | **                                    |
| Uranium Enriched 20% or greater | 92                | ***                                   |
| Uranium Enriched less than 20%  | 92                | ***                                   |
| Uranium-230                     | 92                | 1 (.037)                              |
| Uranium-231                     | 92                | 1000 (37)                             |
| Uranium-232                     | 92                | 0.01 (.00037)                         |
| Uranium-233                     | 92                | 0.1 (.0037)                           |
| Uranium-234 **                  | 92                | 0.1 (.0037)                           |
| Uranium-235 **                  | 92                | 0.1 (.0037)                           |
| Uranium-236                     | 92                | 0.1 (.0037)                           |
| Uranium-237                     | 92                | 100 (3.7)                             |
| Uranium-238 **                  | 92                | 0.1 (.0037)                           |
| Uranium-239                     | 92                | 1000 (37)                             |
| Uranium-240                     | 92                | 1000 (37)                             |
| Vanadium-47                     | 23                | 1000 (37)                             |
| Vanadium-48                     | 23                | 10 (.37)                              |
| Vanadium-49                     | 23                | 1000 (37)                             |
| Xenon-120                       | 54                | 100 (3.7)                             |
| Xenon-121                       | 54                | 10 (.37)                              |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| Xenon-122        | 54                | 100 (3.7)                             |
| Xenon-123        | 54                | 10 (.37)                              |
| Xenon-125        | 54                | 100 (3.7)                             |
| Xenon-127        | 54                | 100 (3.7)                             |
| Xenon-129m       | 54                | 1000 (37)                             |
| Xenon-131m       | 54                | 1000 (37)                             |
| Xenon-133        | 54                | 1000 (37)                             |
| Xenon-133m       | 54                | 1000 (37)                             |
| Xenon-135        | 54                | 100 (3.7)                             |
| Xenon-135m       | 54                | 10 (.37)                              |
| Xenon-138        | 54                | 10 (.37)                              |
| Ytterbium-162    | 70                | 1000 (37)                             |
| Ytterbium-166    | 70                | 10 (.37)                              |
| Ytterbium-167    | 70                | 1000 (37)                             |
| Ytterbium-169    | 70                | 10 (.37)                              |
| Ytterbium-175    | 70                | 100 (3.7)                             |
| Ytterbium-177    | 70                | 1000 (37)                             |
| Ytterbium-178    | 70                | 1000 (37)                             |
| Yttrium-86       | 39                | 10 (.37)                              |
| Yttrium-86m      | 39                | 1000 (37)                             |
| Yttrium-87       | 39                | 10 (.37)                              |
| Yttrium-88       | 39                | 10 (.37)                              |
| Yttrium-90       | 39                | 10 (.37)                              |
| Yttrium-90m      | 39                | 100 (3.7)                             |
| Yttrium-91       | 39                | 10 (.37)                              |
| Yttrium-91m      | 39                | 1000 (37)                             |
| Yttrium-92       | 39                | 100 (3.7)                             |
| Yttrium-93       | 39                | 100 (3.7)                             |
| Yttrium-94       | 39                | 1000 (37)                             |
| Yttrium-95       | 39                | 1000 (37)                             |
| Zinc-62          | 30                | 100 (3.7)                             |
| Zinc-63          | 30                | 1000 (37)                             |
| Zinc-65          | 30                | 10 (.37)                              |
| Zinc-69          | 30                | 1000 (37)                             |
| Zinc-69m         | 30                | 100 (3.7)                             |
| Zinc-71m         | 30                | 100 (3.7)                             |
| Zinc-72          | 30                | 100 (3.7)                             |
| Zirconium-86     | 40                | 100 (3.7)                             |
| Zirconium-88     | 40                | 10 (.37)                              |
| Zirconium-89     | 40                | 100 (3.7)                             |
| Zirconium-93     | 40                | 1 (.037)                              |
| Zirconium-95     | 40                | 10 (.37)                              |
| Zirconium-97     | 40                | 10 (.37)                              |

\$The RQs for all radionuclides apply to chemical compounds containing the radionuclides and elemental forms regardless of the diameter of pieces of solid material.

†The RQ of one curie applies to all radionuclides not otherwise listed. Whenever the RQs in TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES and this table conflict, the lowest RQ shall apply. For example, uranyl acetate and uranyl nitrate have RQs shown in TABLE 1 of 100 pounds, equivalent to about one-tenth the RQ level for uranium-238 in this table.

\*\*The method to determine the RQs for mixtures or solutions of radionuclides can be found in paragraph 7 of the note preceding TABLE 1 of this appendix. RQs for the following four common radionuclide mixtures are provided: radium-226 in secular equilibrium with its daughters (0.053 curie); natural uranium (0.1 curie); natural uranium in secular equilibrium with its daughters (0.052 curie); and natural thorium in secular equilibrium with its daughters (0.011 curie).

\*\*\*Indicates that the name was added by PHMSA because it appears in the list of radionuclides in 49 CFR 173.435. The reportable quantity (RQ), if not specifically listed elsewhere in this appendix, shall be determined in accordance with the procedures in paragraph 7 of this appendix.

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

1. See §171.4 of this subchapter for applicability to marine pollutants. This appendix lists potential marine pollutants as defined in §171.8 of this subchapter.

2. Marine pollutants listed in this appendix are not necessarily listed by name in the §172.101 Table. If a marine pollutant not listed by name or by synonym in the §172.101 Table meets the definition of any hazard Class 1 through 8, then you must determine the class and division of the material in accordance with §173.2a of this subchapter. You must also select the most appropriate hazardous material description and proper shipping name. If a marine pollutant not listed by name or by synonym in the §172.101 Table does not meet the definition of any Class 1 through 8, then you must offer it for transportation under the most appropriate of the following two Class 9 entries: "Environmentally hazardous substances, liquid, n.o.s.," UN3082, or "Environmentally hazardous substances, solid, n.o.s." UN3077.

3. This appendix contains two columns. The first column, entitled "S.M.P." (for severe marine pollutants), identifies whether a material is a severe marine pollutant. If the letters "PP" appear in this column for a material, the material is a severe marine pollutant, otherwise it is not. The second column, entitled "Marine Pollutant", lists the marine pollutants.

4. If a material is not listed in this appendix and meets the criteria for a marine pollutant as provided in Chapter 2.10 of the IMDG Code, "Guidelines for the Identification of Harmful Substances in Packaged Form" (incorporated by reference; see §171.7 of this subchapter), the material may be transported as a marine pollutant in accordance with the applicable requirements of this subchapter.

5. If a material listed in this appendix does not meet the criteria for a marine pollutant as provided in Chapter 2.10 of the IMDG Code, "Guidelines for the Identification of Harmful Substances in Packaged Form" (incorporated by reference; see §171.7 of this subchapter), it may be excepted from the requirements of this subchapter as a marine pollutant if that exception is approved by the Associate Administrator.

LIST OF MARINE POLLUTANTS

| S.M.P.<br>(1) | Marine pollutant<br>(2)                  |
|---------------|--|
|               | Acetone cyanohydrin, stabilized          |
|               | Acetylene tetrabromide                   |
|               | Acetylene tetrachloride                  |
|               | Acraldehyde, inhibited                   |
|               | Acrolein, inhibited                      |
|               | Acrolein, stabilized                     |
|               | Acrylic aldehyde, inhibited              |
|               | Alcohol C-12 - C-16 poly(1-6) ethoxylate |

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LIST OF MARINE POLLUTANTS—Continued

| S.M.P.<br>(1) | Marine pollutant<br>(2)   |                 |
|---------------|---|-----------------|
| PP            | Alcohol C-6 - C-17 (secondary)poly(3-6) ethoxylate  |                 |
|               | Aldicarb  |                 |
|               | Aldrin  |                 |
|               | Alkyl (c12-c14) dimethylamine   |                 |
|               | Alkyl (c7-c9) nitrates  |                 |
|               | Alkybenzenesulphonates, branched and straight chain (excluding C11–C13 straight chain or branched chain homologues) |                 |
|               | Allyl bromide   |                 |
|               | ortho-Aminoanisole  |                 |
|               | Aminocarb   |                 |
|               | Ammonium dinitro-o-cresolate  |                 |
|               | n-Amylbenzene   |                 |
|               | PP  | Azinphos-ethyl  |
|               | PP  | Azinphos-methyl |
|               |   | Barium cyanide  |
|               |   | Bendiocarb      |
|               | Benomyl   |                 |
|               | Benquinox   |                 |
|               | Benzyl chlorocarbonate  |                 |
|               | Benzyl chloroformate  |                 |
| PP            | Binapacryl  |                 |
|               | <i>N,N</i> -Bis (2-hydroxyethyl) oleamide (LOA)   |                 |
| PP            | Brodifacoum   |                 |
|               | Bromine cyanide   |                 |
|               | Bromoacetone  |                 |
|               | Bromoallylene   |                 |
|               | Bromobenzene  |                 |
|               | ortho-Bromobenzyl cyanide   |                 |
|               | Bromocycane   |                 |
|               | Bromoforn   |                 |
| PP            | Bromophos-ethyl   |                 |
|               | 3-Bromopropene  |                 |
|               | Bromoxynil  |                 |
|               | Butanedione   |                 |
|               | 2-Butenal, stabilized   |                 |
|               | Butyl benzyl phthalate  |                 |
|               | <i>N-tert</i> -butyl- <i>N</i> -cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine                                 |                 |
|               | 2,4-Di- <i>tert</i> -butylphenol  |                 |
| PP            | 2, 6-Di- <i>tert</i> -Butylphenol   |                 |
|               | para-tertiary-butyltoluene  |                 |
| PP            | Cadmium compounds   |                 |
|               | Cadmium sulphide  |                 |
|               | Calcium arsenate  |                 |
|               | Calcium arsenate and calcium arsenite, mixtures, solid  |                 |
| PP            | Calcium cyanide   |                 |
|               | Camphchlor  |                 |
|               | Carbaryl  |                 |
|               | Carbendazim   |                 |
|               | Carbofuran  |                 |
|               | Carbon tetrabromide   |                 |
|               | Carbon tetrachloride  |                 |
| PP            | Carbophenothion   |                 |
|               | Cartap hydrochloride  |                 |
| PP            | Chlordane   |                 |
|               | Chlorfenvinphos   |                 |
| PP            | Chlorinated paraffins (C-10 - C-13)   |                 |
| PP            | Chlorinated paraffins (C14–C17), with more than 1% shorter chain length   |                 |
|               | Chlorine  |                 |
|               | Chlorine cyanide, inhibited   |                 |
|               | Chlormephos   |                 |
|               | Chloroacetone, stabilized   |                 |
|               | 1-Chloro-2,3-Epoxypropane   |                 |
|               | 2-Chloro-6-nitrotoluene   |                 |
|               | 4-Chloro-2-nitrotoluene   |                 |
|               | Chloro-ortho-nitrotoluene   |                 |
|               | 2-Chloro-5-trifluoromethylnitrobenzene  |                 |
|               | para-Chlorobenzyl chloride, liquid or solid   |                 |

LIST OF MARINE POLLUTANTS—Continued

| S.M.P.<br>(1) | Marine pollutant<br>(2)                |
|---------------|--|
|               | Chlorodinitrobenzenes, liquid or solid |
|               | 1-Chloroheptane                        |
|               | 1-Chlorohexane                         |
|               | Chloronitroanilines                    |
|               | Chloronitrotoluenes, <i>liquid</i>     |
|               | Chloronitrotoluenes, <i>solid</i>      |
|               | 1-Chlorooctane                         |
| PP            | Chlorophenolates, liquid               |
| PP            | Chlorophenolates, solid                |
|               | Chlorophenyltrichlorosilane            |
|               | Chloropicrin                           |
|               | alpha-Chloropropylene                  |
|               | Chlorotoluenes (meta-;para-)           |
| PP            | Chlorpyrifos                           |
| PP            | Chlorthiophos                          |
|               | Cocculus                               |
|               | Coconitrite                            |
|               | Copper acetoarsenite                   |
|               | Copper arsenite                        |
|               | Copper chloride                        |
| PP            | Copper chloride solution               |
| PP            | Copper cyanide                         |
| PP            | Copper metal powder                    |
| PP            | Copper sulphate, anhydrous, hydrates   |
|               | Coumachlor                             |
| PP            | Coumaphos                              |
| PP            | Cresyl diphenyl phosphate              |
|               | Crotonaldehyde, stabilized             |
|               | Crotonic aldehyde, stabilized          |
|               | Crotoxyphos                            |
|               | Cupric arsenite                        |
| PP            | Cupric chloride                        |
| PP            | Cupric cyanide                         |
| PP            | Cupric sulfate                         |
|               | Cupriethylenediamine solution          |
| PP            | Cuprous chloride                       |
|               | Cyanide mixtures                       |
|               | Cyanide solutions                      |
|               | Cyanides, inorganic, n.o.s.            |
|               | Cyanogen bromide                       |
|               | Cyanogen chloride, inhibited           |
|               | Cyanogen chloride, stabilized          |
|               | Cyanophos                              |
| PP            | 1,5,9-Cyclododecatriene                |
| PP            | Cyhexatin                              |
| PP            | Cyrenes (o-;m-;p-)                     |
| PP            | Cypermethrin                           |
|               | Decyl acrylate                         |
| PP            | DDT                                    |
|               | Decyloxytetrahydrothiophene dioxide    |
|               | DEF                                    |
|               | Desmedipham                            |
|               | Di-allate                              |
|               | Di-n-Butyl phthalate                   |
| PP            | Dialifos                               |
|               | 4,4'-Diaminodiphenylmethane            |
| PP            | Diazinon                               |
|               | 1,3-Dibromobenzene                     |
| PP            | Dichlofenthion                         |
|               | Dichloroanilines                       |
|               | 1,3-Dichlorobenzene                    |
|               | 1,4-Dichlorobenzene                    |
|               | Dichlorobenzene (meta-; para-)         |
|               | 2,2-Dichlorodiethyl ether              |
|               | Dichlorodimethyl ether, symmetrical    |
|               | Di-(2-chloroethyl) ether               |
|               | 1,1-Dichloroethylene, inhibited        |
|               | 1,6-Dichlorohexane                     |
|               | Dichlorophenyltrichlorosilane          |
| PP            | Dichlorvos                             |
| PP            | Diclofop-methyl                        |

| LIST OF MARINE POLLUTANTS—Continued |   | LIST OF MARINE POLLUTANTS—Continued |  |
|-------------------------------------|---|-------------------------------------|--|
| S.M.P.<br>(1)                       | Marine pollutant<br>(2)   | S.M.P.<br>(1)                       | Marine pollutant<br>(2)  |
| PP                                  | Dicrotophos   |                                     | Ferric arsenite  |
|                                     | Dieldrin  |                                     | Ferrous arsenate   |
|                                     | Diisopropylbenzenes   | PP                                  | Fonofos  |
|                                     | Diisopropyl-naphthalenes, mixed isomers   |                                     | Formetanate  |
| PP                                  | Dimethoate  | PP                                  | Furathiocarb (ISO)   |
| PP                                  | N,N-Dimethyldodecylamine  | PP                                  | gamma-BHC  |
|                                     | Dimethylhydrazine, symmetrical  |                                     | Gasoline, leaded   |
|                                     | Dimethylhydrazine, unsymmetrical  | PP                                  | Heptachlor   |
|                                     | Dinitro-o-cresol, <i>solid</i>  |                                     | Heptenophos  |
|                                     | Dinitro-o-cresol, <i>solution</i>   |                                     | n-Heptaldehyde   |
|                                     | Dinitrochlorobenzenes, liquid or solid  |                                     | n-Heptylbenzene  |
|                                     | Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>                   |                                     | normal-Heptyl chloride   |
|                                     | Dinitrophenol solutions   | PP                                  | Hexachlorobutadiene  |
|                                     | Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>                      | PP                                  | 1,3-Hexachlorobutadiene  |
|                                     | Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i> |                                     | Hexaethyl tetraphosphate <i>liquid</i>   |
|                                     | Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>                  |                                     | Hexaethyl tetraphosphate, <i>solid</i>   |
|                                     | Dinobuton   |                                     | normal-Hexyl chloride  |
|                                     | Dinoseb   |                                     | n-Hexylbenzene   |
|                                     | Dinoseb acetate   |                                     | Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water   |
|                                     | Dioxacarb   |                                     | Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material |
|                                     | Dioxathion  |                                     | Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>                                  |
|                                     | Dipentene   |                                     | Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>                           |
|                                     | Diphacinone   |                                     | Hydrogen cyanide, <i>stabilized with less than 3% water</i>  |
|                                     | Diphenyl  |                                     | Hydrogen cyanide, <i>stabilized with less than 3% water and absorbed in a porous inert material</i>            |
| PP                                  | Diphenylamine chloroarsine  |                                     | Hydroxydimethylbenzenes, liquid or solid   |
| PP                                  | Diphenylchloroarsine, solid or liquid   |                                     | Ioxynil  |
|                                     | Disulfoton  |                                     | Isobenzan  |
|                                     | 1,4-Di-tert-butylbenzene  |                                     | Isobutyl butyrate  |
|                                     | DNOC  |                                     | Isobutylbenzene  |
|                                     | DNOC (pesticide)  |                                     | Isodecyl acrylate  |
|                                     | Dodecyl diphenyl oxide disulphonate   |                                     | Isodecyl diphenyl phosphate  |
| PP                                  | Dodecyl hydroxypropyl sulfide   |                                     | Isofenphos   |
|                                     | 1-Dodecylamine  |                                     | Isooctyl nitrate   |
| PP                                  | Dodecylphenol   |                                     | Isoproc carb   |
|                                     | Draxoxolon  |                                     | Isopropenylbenzene   |
|                                     | Edifenphos  |                                     | Isotetramethylbenzene  |
| PP                                  | Endosulfan  |                                     | Isoxathion   |
| PP                                  | Endrin  | PP                                  | Lead acetate   |
|                                     | Epibromohydrin  |                                     | Lead arsenates   |
|                                     | Epichlorohydrin   |                                     | Lead arsenites   |
| PP                                  | EPN   |                                     | Lead compounds, soluble, n.o.s.  |
| PP                                  | Esfenvalerate   |                                     | Lead cyanide   |
| PP                                  | Ethion  |                                     | Lead nitrate   |
|                                     | Ethoprophos   |                                     | Lead perchlorate, solid or solution  |
|                                     | Ethyl fluid   |                                     | Lead tetraethyl  |
|                                     | Ethyl mercaptan   |                                     | Lead tetramethyl   |
|                                     | 2-Ethylhexyl nitrate  |                                     | Lindane  |
|                                     | 5-Ethyl-2-picoline  |                                     | Linuron  |
|                                     | Ethyl propenoate, inhibited   |                                     | London Purple  |
|                                     | 2-Ethyl-3-propylacrolein  | PP                                  | Magnesium arsenate   |
|                                     | Ethyl tetraphosphate  |                                     | Malathion  |
|                                     | Ethyl-dichloroarsine  |                                     | Mancozeb (ISO)   |
|                                     | Ethylene dibromide and methyl bromide mixtures, liquid  |                                     | Maneb  |
|                                     | 2-Ethylhexaldehyde  |                                     | Maneb preparations <i>with not less than 60% maneb</i>   |
|                                     | Fenamiphos  |                                     | Maneb preparation, stabilized against self-heating   |
| PP                                  | Fenbutatin oxide  |                                     | Maneb stabilized or Maneb preparations, stabilized <i>against self-heating</i>                                 |
| PP                                  | Fenchlorazole-ethyl   |                                     | Manganese ethylene-1,2-bis dithiocarbamate   |
| PP                                  | Fenitrothion  |                                     | Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating                                    |
| PP                                  | Fenoxapro-ethyl   |                                     | Mecarbam   |
| PP                                  | Fenoxaprop-P-ethyl  |                                     | Mephosfolan  |
| PP                                  | Fenpropathrin   |                                     | Mercaptodimethur   |
|                                     | Fensulfathion   |                                     | Mercuric acetate   |
| PP                                  | Fenthion  |                                     |  |
| PP                                  | Fentin acetate  |                                     |  |
| PP                                  | Fentin hydroxide  |                                     |  |
|                                     | Ferric arsenate   | PP                                  |  |

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LIST OF MARINE POLLUTANTS—Continued

| S.M.P.<br>(1) | Marine pollutant<br>(2)                                |
|---------------|--|
| PP            | Mercuric ammonium chloride                             |
| PP            | Mercuric arsenate                                      |
| PP            | Mercuric benzoate                                      |
| PP            | Mercuric bisulphate                                    |
| PP            | Mercuric bromide                                       |
| PP            | Mercuric chloride                                      |
| PP            | Mercuric cyanide                                       |
| PP            | Mercuric gluconate                                     |
|               | Mercuric iodide  |
| PP            | Mercuric nitrate                                       |
| PP            | Mercuric oleate  |
| PP            | Mercuric oxide   |
| PP            | Mercuric oxycyanide, desensitized                      |
| PP            | Mercuric potassium cyanide                             |
| PP            | Mercuric Sulphate                                      |
| PP            | Mercuric thiocyanate                                   |
| PP            | Mercuriol  |
| PP            | Mercurous acetate                                      |
| PP            | Mercurous bisulphate                                   |
| PP            | Mercurous bromide                                      |
| PP            | Mercurous chloride                                     |
| PP            | Mercurous nitrate                                      |
| PP            | Mercurous salicylate                                   |
| PP            | Mercurous sulphate                                     |
| PP            | Mercury acetates                                       |
| PP            | Mercury ammonium chloride                              |
| PP            | Mercury based pesticide, liquid, flammable, toxic      |
| PP            | Mercury based pesticides, liquid, toxic, flammable     |
| PP            | Mercury based pesticides, liquid, toxic                |
| PP            | Mercury based pesticides, solid, toxic                 |
| PP            | Mercury benzoate                                       |
| PP            | Mercury bichloride                                     |
| PP            | Mercury bisulphates                                    |
| PP            | Mercury bromides                                       |
| PP            | Mercury compounds, liquid, n.o.s.                      |
| PP            | Mercury compounds, solid, n.o.s.                       |
| PP            | Mercury cyanide  |
| PP            | Mercury gluconate                                      |
| PP            | Mercury (I) (mercurous) compounds (pesticides)         |
| PP            | Mercury (II) (mercuric) compounds (pesticides)         |
|               | Mercury iodide   |
| PP            | Mercury nucleate                                       |
| PP            | Mercury oleate   |
| PP            | Mercury oxide  |
| PP            | Mercury oxycyanide, desensitized                       |
| PP            | Mercury potassium cyanide                              |
| PP            | Mercury potassium iodide                               |
| PP            | Mercury salicylate                                     |
| PP            | Mercury sulfates                                       |
| PP            | Mercury thiocyanate                                    |
|               | Metam-sodium   |
|               | Methamidophos  |
|               | Methanethiol   |
|               | Methidathion   |
|               | Methomyl   |
|               | ortho-Methoxyaniline                                   |
|               | Methyl bromide and ethylene dibromide mixtures, liquid |
|               | Methyl mercaptan                                       |
|               | 3-Methylacroleine, stabilized                          |
|               | Methylchlorobenzenes                                   |
|               | Methylnitrophenols                                     |
|               | 3-Methylpyradine                                       |
|               | Methyltrithion   |
|               | Methylvinylbenzenes, inhibited                         |
| PP            | Mevinphos  |
|               | Mexacarbate  |
|               | Mirex  |
|               | Monocrotophos  |
|               | Motor fuel anti-knock mixtures                         |
|               | Motor fuel anti-knock mixtures or compounds            |

LIST OF MARINE POLLUTANTS—Continued

| S.M.P.<br>(1) | Marine pollutant<br>(2)   |
|---------------|---|
|               | Nabam   |
|               | Naled   |
| PP            | Nickel carbonyl   |
| PP            | Nickel cyanide  |
| PP            | Nickel tetracarbonyl  |
|               | 3-Nitro-4-chlorobenzotrifluoride  |
|               | Nitrobenzene  |
|               | Nitrobenzotrifluorides, liquid or solid   |
|               | Nonylphenol   |
|               | normal-Octaldehyde  |
|               | Oleylamine  |
| PP            | Organotin compounds, liquid, n.o.s.   |
| PP            | Organotin compounds (pesticides)  |
| PP            | Organotin compounds, solid, n.o.s.  |
| PP            | Organotin pesticides, liquid, flammable, toxic, n.o.s.,<br><i>flash point less than 23deg C</i> |
| PP            | Organotin pesticides, liquid, toxic, flammable, n.o.s.  |
| PP            | Organotin pesticides, liquid, toxic, n.o.s.   |
| PP            | Organotin pesticides, solid, toxic, n.o.s.  |
|               | Orthoarsenic acid   |
| PP            | Osmium tetroxide  |
|               | Oxamyl  |
|               | Oxydisulfoton   |
|               | Paraoxon  |
| PP            | Parathion   |
| PP            | Parathion-methyl  |
| PP            | PCBs.   |
|               | Pentachloroethane   |
| PP            | Pentachlorophenol   |
|               | Pentalin  |
|               | n-Pentylbenzene   |
|               | Perchloroethylene   |
|               | Perchloromethylmercaptan  |
|               | Petrol, leaded  |
| PP            | Phenarsazine chloride   |
|               | d-Phenothrin  |
| PP            | Phenthoate  |
|               | 1-Phenylbutane  |
|               | 2-Phenylbutane  |
|               | Phenylcyclohexane   |
| PP            | Phenylmercuric acetate  |
| PP            | Phenylmercuric compounds, n.o.s.  |
| PP            | Phenylmercuric hydroxide  |
| PP            | Phenylmercuric nitrate  |
|               | 2-Phenylpropene   |
| PP            | Phorate   |
| PP            | Phosalone   |
|               | Phosmet   |
| PP            | Phosphamidon  |
| PP            | Phosphorus, white, molten   |
| PP            | Phosphorus, white or yellow dry or under water or in<br>solution                                |
| PP            | Phosphorus white, or yellow, molten   |
| PP            | Phosphorus, yellow, molten  |
|               | Pindone (and salts of)  |
|               | Pirimicarb  |
| PP            | Pirimiphos-ethyl  |
| PP            | Polychlorinated biphenyls   |
| PP            | Polyhalogenated biphenyls, liquid or Terphenyls liq-<br>uid                                     |
| PP            | Polyhalogenated biphenyls, solid or Terphenyls,<br>solid  |
| PP            | Potassium cuprocyanide  |
|               | Potassium cyanide, solid  |
|               | Potassium cyanide, solution   |
| PP            | Potassium cyanocuprate (I)  |
| PP            | Potassium cyanomercurate  |
| PP            | Potassium mercuric iodide   |
|               | Promecarb   |
|               | Propachlor  |
|               | Propaphos   |



LIST OF MARINE POLLUTANTS—Continued

| S.M.P.<br>(1) | Marine pollutant<br>(2)  |
|---------------|--|
|               | Propenal, inhibited  |
|               | Propoxur   |
|               | Prothoate  |
|               | Prussic acid, anhydrous, stabilized  |
|               | Prussic acid, anhydrous, stabilized, absorbed in a porous inert material             |
| PP            | Pyrazophos   |
|               | Quinalphos   |
| PP            | Quizalofop   |
| PP            | Quizalofop-p-ethyl   |
|               | Rotenone   |
|               | Salithion  |
| PP            | Silafluofen  |
|               | Silver arsenite  |
|               | Silver cyanide   |
|               | Silver orthoarsenite   |
| PP            | Sodium copper cyanide, solid   |
| PP            | Sodium copper cyanide solution   |
| PP            | Sodium cuprocyanide, solid   |
| PP            | Sodium cuprocyanide, solution  |
|               | Sodium cyanide, solid  |
|               | Sodium cyanide, solution   |
|               | Sodium dinitro-o-cresolate, dry or wetted with less than 15 per cent water, by mass  |
|               | Sodium dinitro-ortho-cresolate, wetted with not less than 15 per cent water, by mass |
| PP            | Sodium pentachlorophenate  |
|               | Strychnine or Strychnine salts   |
|               | Sulfotep   |
| PP            | Sulprofos  |
|               | Tallow nitrile   |
|               | Temephos   |
|               | TEPP   |
| PP            | Terbufos   |
|               | Tetrabromoethane   |
|               | Tetrabromomethane  |
|               | 1,1,2,2-Tetrachloroethane  |
|               | Tetrachloroethylene  |
|               | Tetrachloromethane   |
|               | Tetraethyl dithiopyrophosphate   |
| PP            | Tetraethyl lead, liquid  |
|               | Tetramethrin   |
|               | Tetramethyllead  |
|               | Thallium chlorate  |
|               | Thallium compounds, n.o.s.   |
|               | Thallium compounds (pesticides)  |
|               | Thallium nitrate   |
|               | Thallium sulfate   |
|               | Thallos chlorate   |
|               | Thiocarbonyl tetrachloride   |
| PP            | Triaryl phosphates, isopropylated  |
|               | Triaryl phosphates, n.o.s.   |
|               | Triazophos   |
|               | Tribromomethane  |
| PP            | Tributyltin compounds  |
|               | Trichlorfon  |
| PP            | 1,2,3-Trichlorobenzene   |
|               | Trichlorobenzenes, liquid  |
|               | Trichlorobutene  |
|               | Trichlorobutylene  |
|               | Trichloromethane sulphuryl chloride  |
|               | Trichloromethyl sulphochloride   |
|               | Trichloronat   |
|               | Tricresyl phosphate (less than 1% ortho-isomer)                                      |
| PP            | Tricresyl phosphate, not less than 1% ortho-isomer but not more than 3% orthoisomer  |
| PP            | Tricresyl phosphate with more than 3 per cent ortho isomer                           |
|               | Triethylbenzene  |
|               | Triisopropylated phenyl phosphates   |
|               | Trimethylene dichloride  |

LIST OF MARINE POLLUTANTS—Continued

| S.M.P.<br>(1) | Marine pollutant<br>(2)   |
|---------------|---|
| PP            | Triphenylphosphate  |
|               | Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates  |
| PP            | Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates |
| PP            | Triphenyltin compounds  |
|               | Tritolyl phosphate (less than 1% ortho-isomer)  |
| PP            | Tritolyl phosphate (not less than 1% ortho-isomer)  |
|               | Trixylenyl phosphate  |
|               | Vinylidene chloride, stabilized   |
|               | Warfarin (and salts of)   |
| PP            | White phosphorus, dry   |
| PP            | White phosphorus, wet   |
|               | White spirit, low (15-20%) aromatic   |
| PP            | Yellow phosphorus, dry  |
| PP            | Yellow phosphorus, wet  |
|               | Zinc bromide  |
|               | Zinc cyanide  |

[Amdt. 172-173, 55 FR 52474, Dec. 21, 1990]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 172.101, see the List of CFR Sections Affected which appears in the Finding Aids section of the printed volume and on GPO Access.

EDITORIAL NOTE: At 70 FR 34388, June 14, 2005, §172.101 was amended; however, two amendments could not be incorporated due to inaccurate amendatory instruction.

§ 172.102 Special provisions.

(a) *General.* When column 7 of the § 172.101 table refers to a special provision for a hazardous material, the meaning and requirements of that provision are as set forth in this section. When a special provision specifies packaging or packaging requirements—

(1) The special provision is in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable packaging requirements in subparts A and B of part 173 of this subchapter; and

(2) To the extent a special provision imposes limitations or additional requirements on the packaging provisions set forth in column 8 of the §172.101 table, packagings must conform to the requirements of the special provision.

(b) *Description of codes for special provisions.* Special provisions contain packaging provisions, prohibitions, exceptions from requirements for particular quantities or forms of materials