

EFFECTIVE DATE NOTE: At 59 FR 14115, Mar. 25, 1994, in § 712.30 paragraph (x), the chemical substances under the category "propylene glycol ethers esters" and all related dates were stayed, effective March 25, 1994. At 60 FR 31921, June 19, 1995, § 712.30 was amended in part by redesignating paragraph (x) as paragraph (e).

PART 716—HEALTH AND SAFETY DATA REPORTING

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AUTHORITY: 15 U.S.C. 2607(d).

SOURCE: 51 FR 32726, Sept. 15, 1986, unless otherwise noted.

Subpart A—General Provisions

§ 716.1 Scope and compliance.

(a) This subpart sets forth requirements for the submission of lists and copies of health and safety studies on chemical substances and mixtures selected for priority consideration for testing rules under section 4(a) of the Toxic Substances Control Act (TSCA) and on other chemical substances and mixtures for which EPA requires health and safety information in fulfilling the purposes of TSCA.

(b) Section 15(3) of TSCA makes it unlawful for any person to fail or refuse to submit information required under this subpart. Section 16 provides that a violation of section 15 renders a

person liable to the United States for a civil penalty and possible criminal prosecution. Under section 17, the district courts of the United States have jurisdiction to restrain any violation of section 15.

§ 716.3 Definitions.

The definitions in section 3 of TSCA apply to this subpart. In addition, the following definitions are provided for the purposes of this subpart:

Byproduct means a chemical substance produced without a separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture(s).

Co-product means a chemical substance produced for a commercial purpose during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture(s).

Copy of study means the written presentation of the purpose and methodology of a study and its results.

EPA means the United States Environmental Protection Agency.

Health and safety study or *study* means any study of any effect of a chemical substance or mixture on health or the environment or on both, including underlying data and epidemiological studies, studies of occupational exposure to a chemical substance or mixture, toxicological, clinical, and ecological or other studies of a chemical substance or mixture, and any test performed under TSCA.

(1) It is intended that the term *health and safety study* be interpreted broadly. Not only is information which arises as a result of a formal, disciplined study included, but other information relating to the effects of a chemical substance or mixture on health or the environment is also included. Any data that bear on the effects of a chemical substance on health or the environment would be included. Chemical identity is part of, or underlying data to, a health and safety study.

(2) Examples are:

(i) Long- and short-term tests of mutagenicity, carcinogenicity, or teratogenicity; data on behavioral disorders; dermatotoxicity; pharmacological effects; mammalian absorption, distribution, metabolism, and excretion; cumulative, additive, and synergistic effects; and acute, subchronic, and chronic effects.

(ii) Tests for ecological or other environmental effects on invertebrates, fish, or other animals, and plants, including: Acute toxicity tests, chronic toxicity tests, critical life-stage tests, behavioral tests, algal growth tests, seed germination tests, plant growth or damage tests, microbial function tests, bioconcentration or bioaccumulation tests, and model ecosystem (microcosm) studies.

(iii) Assessments of human and environmental exposure, including workplace exposure, and impacts of a particular chemical substance or mixture on the environment, including surveys, tests, and studies of: Biological, photochemical, and chemical degradation; structure/activity relationships; air, water, and soil transport; biomagnification and bioconcentration; and chemical and physical properties, e.g., boiling point, vapor pressure, evaporation rates from soil and water, octanol/water partition coefficient, and water solubility.

(iv) Monitoring data, when they have been aggregated and analyzed to measure the exposure of humans or the environment to a chemical substance or mixture.

Import means to import for commercial purposes.

Import for commercial purposes means to import with the purpose of obtaining an immediate or eventual commercial advantage for the importer, and includes the importation of any amount of a chemical substance or mixture. If a chemical substance or mixture containing impurities is imported for commercial purposes, then those impurities are also imported for commercial purposes.

Importer means any person who imports a chemical substance, including a chemical substance as a part of a mixture or article, into the customs territory of the United States and includes the person primarily liable for the pay-

ment of any duties on the merchandise or an authorized agent acting on his behalf (as defined in 19 CFR 1.11). Importer also includes, as appropriate:

(1) The consignee.

(2) The importer of record.

(3) The actual owner, if an actual owner's declaration and superseding bond has been filed in accordance with 19 CFR 141.20.

(4) The transferee, if the right to draw merchandise in a bonded warehouse has been transferred in accordance with subpart C of 19 CFR part 144. For the purpose of this definition, the customs territory of the United States consists of the 50 States, Puerto Rico, and the District of Columbia.

Impurity means a chemical substance which is unintentionally present with another chemical substance.

Listed mixture means any mixture listed in §716.120.

Manufacture means to manufacture for commercial purposes.

Manufacture for commercial purposes means: (1) To produce, with the purpose of obtaining an immediate or eventual commercial advantage for the manufacturer, and includes among other things such "manufacture" of any amount of a chemical substance or mixture:

(i) For commercial distribution, including for test marketing.

(ii) For use by the manufacturer, including use for product research and development, or as an intermediate.

(2) Manufacture for commercial purposes also applies to substances that are produced coincidentally during the manufacture, processing, use, or disposal of another substance or mixture, including byproducts and impurities. Such byproducts and impurities may, or may not, in themselves have commercial value. They are nonetheless produced for the purpose of obtaining a commercial advantage since they are part of the manufacture of a chemical product for a commercial purpose.

Manufacturer means a person who produces or manufactures a chemical substance. A person who extracts a component chemical substance from a previously existing chemical substance or a complex combination of substances is a manufacturer of that component chemical substance.

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Person includes any individual, firm, company, corporation, joint-venture, partnership, sole proprietorship, association, or any other business entity, any State or political subdivision thereof, any municipality, any interstate body, and any department, agency, or instrumentality of the Federal government.

Process means to process for commercial purposes.

Process for commercial purposes means the preparation of a chemical substance or mixture, after its manufacture, for distribution in commerce with the purpose of obtaining an immediate or eventual commercial advantage for the processor. Processing of any amount of a chemical substance or mixture is included. If a chemical substance or mixture containing impurities is processed for commercial purposes, then those impurities are also processed for commercial purposes.

Propose to manufacture, import, or process means that a person has made a management decision to commit financial resources toward the manufacture, importation, or processing of a substance or mixture.

Substance means *chemical substance* as defined at section 3(2)(A) of TSCA, 15 U.S.C. 2602(2)(A).

TSCA means the Toxic Substances Control Act (15 U.S.C. 2601 *et seq.*).

§ 716.5 Persons who must report.

(a) Except as provided in paragraphs (b) and (c) of this section, only those persons described in this section are required to report under this part. Persons who must report include manufacturers (including importers) who fall within the North American Industry Classification System (NAICS) (in effect as of January 1, 1997) Subsector 325 (chemical manufacturing and allied products) or Industry Group 32411 (petroleum refineries), who:

(1) In the 10 years preceding the effective date on which a substance or mixture is added to § 716.120, either had proposed to manufacture (including import), or had manufactured (including imported) the listed substance or listed mixture (including as a known byproduct), are required to report during the reporting period specified in § 716.65.

(2) As of the effective date on which a substance or mixture is added to § 716.120, and who propose to manufacture (including import), or who are manufacturing (including importing) the listed substance or listed mixture (including as a known byproduct), are required to report during the reporting period specified in § 716.65.

(3) After the effective date on which a substance or mixture is added to § 716.120, and who propose to manufacture (including import) the listed substance or listed mixture (including as a known byproduct), are required to report during the reporting period specified in § 716.65.

(b) A rule promulgated under the authority of 15 U.S.C. 2607(d) may require that any person who does not fall within NAICS (in effect as of January 1, 1997) Subsector 325 or Industry Group 32411, and who had proposed to manufacture (including import) or process, had manufactured (including imported) or processed, proposes to manufacture (including import) or process, or is manufacturing (including importing) or processing a substance or mixture listed in § 716.120 must report under this part.

(c) Processors and persons who propose to process a substance or mixture otherwise subject to the reporting requirements imposed by this part are not subject to this part unless EPA specifically states otherwise in a particular notice or rule promulgated under the authority of 15 U.S.C. 2607(d).

[63 FR 15773, Apr. 1, 1998]

§ 716.10 Studies to be reported.

(a) In general, health and safety studies, as defined in § 716.3, on any substance or listed mixture listed in § 716.120, that are unpublished are reportable, i.e., must be submitted or listed. However, this requirement has limitations according to the nature of the material studied, so that:

(1) All studies of substances and listed mixtures are reportable. However, in the case of physical and chemical properties, only those studies listed in § 716.50 must be submitted.

(2) Studies of mixtures known to contain substances or listed mixtures listed in § 716.120 are reportable except for

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studies of physical and chemical properties and the studies exempted at § 716.20(a)(6) (i) through (vi).

(3) Studies of substances or listed mixtures that a person who is reporting has manufactured, imported, or processed or proposed to manufacture, import, or process only as impurities are not generally reportable under § 716.20(a)(9).

(4) Underlying data, such as medical or health records, individual files, lab notebooks, and daily monitoring records supporting studies do not have to be submitted initially. EPA may request underlying data later under § 716.40.

(b) [Reserved]

§ 716.20 Studies not subject to the reporting requirements.

(a) Excluding paragraph (a)(3) of this section, the following types of studies are exempt from the copy and list submission requirements of §§ 716.30 and 716.35.

(1) Studies which have been published in the scientific literature.

(2) Studies previously submitted to the EPA Office of Pollution Prevention and Toxics. These studies are limited to section 8(e) submissions, studies submitted during section 4 proceedings, studies submitted with premanufacture notices or significant new use notices, and studies submitted “for your information” (FYI submissions) in support of EPA’s TSCA Existing Chemicals Program. Studies which have been initiated pursuant to a TSCA section 4(a) test rule, for which the person has submitted a letter of intent to conduct testing in accordance with the provisions of § 790.25 of part 790 of this chapter, are exempt from the list submission requirements of § 716.35.

(3) Except for those studies described in paragraph (a)(2) of this section, studies previously submitted to any Federal agency with no claims of confidentiality are exempt only from the copy submission requirements of § 716.30, and must be listed in accordance with the provisions of § 716.35.

(4) Studies conducted or initiated by or for another person who is subject to, and who will report the studies under §§ 716.30 and 716.35.

(5) Studies of chemical substances which are not on the TSCA Chemical Substances Inventory. This exemption applies only to those substances within categories listed under § 716.120(c).

(6) The following types of studies when the subject of the study is a mixture known to contain a substance or listed mixture listed under § 716.120.

- (i) Acute oral toxicity studies.
- (ii) Acute dermal toxicity studies.
- (iii) Acute inhalation toxicity studies.
- (iv) Primary eye irritation studies.
- (v) Primary dermal irritation studies.
- (vi) Dermal sensitization studies.
- (vii) Physical and chemical properties.

If the substance or listed mixture is an impurity, no reporting is required (see paragraph (a)(9) of this section).

(7) Analyzed aggregations of monitoring data based on monitoring data acquired more than 5 years preceding the date the substance or listed mixture was added to the list under § 716.120.

(8) Analyzed aggregations of monitoring data on mixtures known to contain one or more substances or listed mixtures listed in § 716.120, when the monitoring data are not analyzed to determine the exposure or concentration levels of the substances or listed mixture listed under § 716.120.

(9) Studies on a substance or listed mixture listed under § 716.120 that the person who is reporting has manufactured, imported, or processed or proposed to manufacture, import, or process only as an impurity. When reporting of such studies is to be required, that reporting will be separately proposed in the FEDERAL REGISTER.

(10) Studies of chemical substances or listed mixtures previously submitted by trade associations in accordance with the provisions of § 716.30.

(b) The following types of studies on substances or listed mixtures listed under § 716.120 are exempt from the copy and list submission requirements of §§ 716.30 and 716.35.

(1) For the listed ureaformaldehyde resins (CAS Nos. 9011-05-6 and 68611-64-3), studies on agronomic plant growth or damage which demonstrate only that the resins stimulate plant growth

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or cause plant damage when applied as a fertilizer.

(2) For the specified chemicals in § 716.120(d) under the category "Siloxanes," acute oral, dermal, and inhalation toxicity studies and primary eye and dermal irritation studies.

(3) For the listed chemicals under § 716.120(d) in the category "OSHA Chemicals in Need of Dermal Absorption Testing," studies on ecological effects.

(4) For the chemicals listed at § 716.120 with a special exemption referencing this paragraph, studies on mixtures containing the listed substance at levels below 1 percent of the mixture, except when a purpose of the study includes the investigation of the effects of the listed substance at levels below 1 percent.

(5) Rulemaking proceedings that add substances and mixtures to § 716.120 will specify the types of health and/or environmental effects studies that must be reported and will specify the chemical grade/purity requirements that must be met or exceeded in individual studies. Chemical grade/purity requirements will be specified on a per chemical basis or for a category of chemicals for which reporting is required.

[51 FR 32726, Sept. 15, 1986, as amended at 58 FR 47649, Sept. 10, 1993; 58 FR 68315, Dec. 27, 1993; 60 FR 34884, July 5, 1995; 63 FR 15773, Apr. 1, 1998]

§ 716.21 Chemical specific reporting requirements.

(a) Health and safety studies reportable under part 716 for the following chemical substances, mixtures, or categories of chemical substances, as listed in § 716.120, must be submitted or listed only as specified in this section:

(1) For 3H-1,2,4-triazole-3-thione, 5-amino-1,2-dihydro- and imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione, tetrahydro-, all unpublished environmental effects studies and health effects studies on pharmacokinetics, genotoxicity, subchronic toxicity, immunotoxicity, carcinogenicity, reproductive effects, and developmental toxicity where the purity of 3H-1,2,4-triazole-3-thione, 5-amino-1,2-dihydro- or imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione, tetrahydro- is greater than or

equal to 90% of the test substance by weight must be submitted.

(2) For benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-, all unpublished environmental effects studies including bioconcentration, environmental fate studies on biodegradation, and health effects studies on pharmacokinetics, subchronic toxicity, mutagenicity, reproductive effects, and developmental toxicity, and carcinogenicity where the purity of benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- is greater than or equal to 90% of the test substance by weight must be submitted.

(3) For stannane, dimethylbis[(1-oxoneodecyl)oxy]-, all unpublished environmental effects studies including bioconcentration, environmental fate studies on hydrolysis and biodegradation and health effects studies on pharmacokinetics, subchronic toxicity, mutagenicity, neurotoxicity, reproductive effects, and developmental toxicity, and carcinogenicity where the purity of stannane, dimethylbis[(1-oxoneodecyl)oxy]- is greater than or equal to 90% of the test substance by weight must be submitted.

(4) For benzene, 1,3,5-tribromo-2-(2-propenyloxy)-, all unpublished environmental effects studies including bioconcentration, environmental fate studies on biodegradation and health effects studies on pharmacokinetics, subchronic toxicity, neurotoxicity, reproductive effects, and developmental toxicity, and carcinogenicity where the purity of benzene, 1,3,5-tribromo-2-(2-propenyloxy)- is greater than or equal to 90% of the test substance by weight must be submitted.

(5) For 1-triazene, 1,3-diphenyl-, all unpublished health effects studies on pharmacokinetics, genotoxicity, subchronic and chronic toxicity, reproductive effects, and developmental toxicity where the purity of 1-triazene, 1,3-diphenyl- is greater than or equal to 90% of the test substance by weight must be submitted.

(6) For the 9 chemicals in the indium compound category, all unpublished health effects studies on pharmacokinetics, genotoxicity, subchronic and chronic toxicity, reproductive effects, and developmental toxicity where the

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purity of the indium compound is greater than or equal to 90% of the test substance by weight must be submitted.

(7) For all voluntary HPV Challenge Program orphan (un-sponsored) chemicals:

(i) All unpublished environmental fate studies, meeting the criteria set forth in paragraph (a)(7)(iv) of this section, on water solubility; adsorption/desorption on particulate surfaces, e.g., soil; vapor pressure; octanol/water partition coefficient; density/relative density (specific gravity); particle size distribution for insoluble solids; dissociation constant; degradation by photochemical mechanisms—aquatic and atmospheric; degradation by chemical mechanisms—hydrolytic, reductive, and oxidative; degradation by biological mechanisms—aerobic and anaerobic. Studies of physical and chemical properties meeting the criteria set forth in paragraph (a)(7)(iv) of this section must be reported if performed for the purpose of determining the environmental or biological fate of a substance, and only if they investigated one or more of the properties listed in this paragraph. In addition, all unpublished studies meeting the criteria set forth in paragraph (a)(7)(iv) of this section on melting point and boiling point must be submitted.

(ii) All unpublished health effects studies meeting the criteria set forth in paragraph (a)(7)(iv) of this section including pharmacokinetics, genotoxicity, acute toxicity, subacute toxicity, subchronic toxicity, chronic toxicity, reproductive toxicity, developmental toxicity, immunotoxicity, neurotoxicity, and oncogenicity/carcinogenicity.

(iii) All unpublished environmental effects studies meeting the criteria set forth in paragraph (a)(7)(iv) of this section including acute and chronic toxicity studies of aquatic and terrestrial vertebrates and invertebrates and aquatic plants.

(iv) Only studies where the voluntary HPV Challenge Program orphan (un-sponsored) chemical is $\geq 90\%$ of the test substance by weight should be submitted. In addition, only studies that were conducted using TSCA, Federal Insecticide, Fungicide, and Rodenticide

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Act (FIFRA), Organization for Economic Cooperation and Development (OECD) or other internationally accepted test guidelines or voluntary consensus standards should be submitted. Studies performed where the voluntary HPV Challenge Program orphan (un-sponsored) chemical is $< 90\%$ of the test substance by weight are not requested at this time.

(8)(i) Reporting requirements apply only to manufacturers (including importers) of consumer products intended for use by children who also manufacture (including import) lead or lead compounds. For the category “lead and lead compounds,” all unpublished health and safety studies that:

(A) Relate to the lead content of consumer products that are “intended for use by children” as that term is defined at 40 CFR 710.43 (excluding children’s metal jewelry), or

(B) Assess children’s exposure to lead from such products (including studies of bioavailability).

(ii) With regard to purity, studies showing any measurable lead content in such products must be submitted.

(b) [Reserved]

[69 FR 24522, May 4, 2004, as amended at 71 FR 47135, Aug. 16, 2006; 73 FR 5115, Jan. 29, 2008]

§ 716.25 Adequate file search.

The scope of a person’s responsibility to search records is limited to records in the location(s) where the required information is typically kept, and to records kept by the person or the person’s individual employee(s) who is/are responsible for keeping such records or advising the person on the health and environmental effects of chemicals. Persons are not required to search for reportable information dated before January 1, 1977, to comply with this subpart unless specifically required to do so in a rule.

[63 FR 15773, Apr. 1, 1998]

§ 716.30 Submission of copies of studies.

(a)(1) Except as provided in §§ 716.5, 716.20, and 716.50, persons must send to EPA copies of any health and safety studies in their possession for the substances or mixtures listed in § 716.120.

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Persons are responsible for submitting copies on only the substances or listed mixtures which they: Have manufactured, imported, or processed or proposed to manufacture, import, or process (including as known byproducts) within the 10 years preceding the effective date for reporting on the substances or listed mixtures; manufacture, import, or process on the effective date for reporting on the substances or listed mixtures; and propose to manufacture, import, or process following the effective date for reporting on the substances or listed mixtures. Persons who list studies as ongoing or initiated under § 716.35(a) (1) and (2) must submit them when they are completed.

(2) [Reserved]

(b) Submissions under paragraph (a) of this section must be identified either on the face of the study or otherwise by the applicable chemical name and CAS number (if any) listed in § 716.120(a) (1) and (2), and must be accompanied by a cover letter containing the name, job title, address and telephone number of the submitting official, and the name and address of the manufacturing or processing establishment on whose behalf the submission is made. In the cover letter, submitters must identify any impurity or additive known to have been present in the substance or listed mixtures as studied unless its presence is specifically noted in the study itself. The cover letter accompanying a study submitted by a trade association must also state that the submission is to satisfy reporting requirements under this part.

(c) You must submit copies of health and safety studies and the accompanying cover letters by one of the following methods:

(1) Mail, preferably certified, to the Document Control Office (DCO) (7407M), Office of Pollution Prevention and Toxics (OPPT), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001, ATTN: 8(d) Health and Safety Reporting Rule (Notification/Reporting).

(2) Hand delivery to OPPT Document Control Office (DCO), EPA East, Rm. 6428, 1201 Constitution Ave., NW., Washington, DC, ATTN: 8(d) Health and Safety Reporting Rule (Notifica-

tion/Reporting). The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202) 564-8930. Such deliveries are only accepted during the DCO's normal hours of operation.

[51 FR 32726, Sept. 15, 1986, as amended at 52 FR 20084, May 29, 1987; 52 FR 44828, Nov. 20, 1987; 53 FR 12523, Apr. 15, 1988; 60 FR 34463, July 3, 1995; 63 FR 15773, Apr. 1, 1998; 71 FR 47135, Aug. 16, 2006]

§ 716.35 Submission of lists of studies.

(a) Except as provided in §§ 716.5, 716.20, and 716.50, persons subject to this rule must send lists of studies to EPA for each of the listed substances or listed mixtures (including as a known byproduct) in § 716.120 which they are manufacturing, importing, or processing, or which they propose to manufacture (including import) or process.

(1) *Ongoing studies.* As of the date a person becomes subject to this part, a list of ongoing health and safety studies being conducted by or initiated for them, noting for each entry: The beginning date of the study, the purpose of the study, the types of data to be collected, the anticipated date of completion, and the name and address of the laboratory conducting the study.

(2) *Initiated studies.* After the date a person becomes subject to this part, a list of studies initiated by or for them, noting for each entry: The beginning date of the study, the purpose of the study, the types of data to be collected, the anticipated date of completion, and the name and address of the laboratory conducting the study.

(3) *Studies which are known but without possession of copies.* As of the date a person becomes subject to this part, a list of unpublished health and safety studies known to them of which they do not have copies. The name and address of any person known to them to possess a copy of the unpublished study must accompany each entry on the list. For purposes of this section only, an unpublished study will be considered to be "known to" a person, if the study can be discovered by a file search in accordance with § 716.25.

(4) *Studies previously sent to Federal agencies without confidentiality claims.* A

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list of unpublished studies which have been sent to a Federal Agency with no claims of confidentiality. The submission must for each study: Identify the study by title, state the name and address to whom the study was sent, and the month and year in which the study was submitted. Any study identified will be treated as if it were submitted under section 8(d) and will be available for public disclosure under section 14(b) of TSCA. Persons subject to this requirement may submit either a list of unpublished health and safety studies previously submitted to any Federal agency without claims of confidentiality in accordance with § 716.35(a)(4), or copies of each such study in accordance with § 716.30.

(b) Submission under paragraph (a) of this section must be identified either on the face of the study or otherwise by the applicable chemical name and CAS number (if any) listed in § 716.120(a) (1) and (2), and must be accompanied by a cover letter containing the name, job title, address and telephone numbers of the submitting official, and the name and address of the manufacturing or processing establishment on whose behalf the submission is made.

(c) You must submit lists of health and safety studies by one of the following methods:

(1) Mail, preferably certified, to the Document Control Office (DCO) (7407M), Office of Pollution Prevention and Toxics (OPPT), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001, ATTN: 8(d) Health and Safety Reporting Rule (Notification/Reporting).

(2) Hand delivery to OPPT Document Control Office (DCO), EPA East, Rm. 6428, 1201 Constitution Ave., NW., Washington, DC, ATTN: 8(d) Health and Safety Reporting Rule (Notification/Reporting). The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202) 564-8930. Such deliveries are only accepted

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during the DCO's normal hours of operation.

[51 FR 32726, Sept. 15, 1986, as amended at 52 FR 20084, May 29, 1987; 52 FR 44828, Nov. 20, 1987; 53 FR 12523, Apr. 15, 1988; 53 FR 46746, Nov. 18, 1988; 60 FR 34463, July 3, 1995; 63 FR 15774, Apr. 1, 1998; 71 FR 47135, Aug. 16, 2006]

§ 716.40 EPA requests for submission of further information.

EPA may, by letter, request a person to submit or make available for review the following information after the initial reporting under §§ 716.30 and 716.35. If the requested submissions are not made, EPA may subpoena them under section 11 of TSCA, 15 U.S.C. 2610.

(a) Submission of underlying data of the kind described in § 716.10(a)(4) by persons who submit copies of studies under § 716.30 or list studies under § 716.35(a)(1) or § 716.35(a)(2).

(b) Submission of preliminary reports of ongoing studies by persons who list the studies under § 716.35(a)(1) or § 716.35(a)(2).

(c) Submission of copies of studies by persons listed under § 716.35(a)(3) as possessing them.

§ 716.45 How to report on substances and mixtures.

Section 716.120 lists substances and mixtures, in order by Chemical Abstract Service Registry Number and by alphabetical order. Studies of listed substances and listed mixtures shall be reported as follows:

(a) When a substance is individually listed under § 716.120(a), studies of the substance and studies of mixtures known to contain the substance must be reported as studies of that substance.

(b) When two or more substances are listed as a mixture under § 716.120(b), studies of the listed mixture and studies of any mixture known to contain the listed mixture must be reported as studies of the listed mixture.

(c) Studies of the following preparations of a substance must be reported as studies of the substance itself, not as studies of mixtures known to contain the substance.

(1) The substance in aqueous solution.

(2) The substance containing a small amount of an additive, such as a stabilizer, emulsifier, or other chemical added for purposes of maintaining the integrity or physical form of the substance.

(3) The substance of the grade/purity specified in each rule promulgated under 15 U.S.C. 2607(d).

[51 FR 32726, Sept. 15, 1986, as amended at 63 FR 15774, Apr. 1, 1998]

§ 716.50 Reporting physical and chemical properties.

Studies of physical and chemical properties must be reported under this subpart if performed for the purpose of determining the environmental or biological fate of a substance, and only if they investigated one or more of the following properties:

- (a) Water solubility.
- (b) Adsorption/desorption on particulate surfaces, e.g., soil.
- (c) Vapor pressure.
- (d) Octanol/water partition coefficient.
- (e) Density/relative density (specific gravity).
- (f) Particle size distribution for insoluble solids.
- (g) Dissociation constant.
- (h) Degradation by photochemical mechanisms—aquatic and atmospheric.
- (i) Degradation by chemical mechanisms—hydrolytic, reductive, and oxidative.
- (j) Degradation by biological mechanisms—aerobic and anaerobic.

§ 716.55 Confidentiality claims.

(a)(1) Section 14(b) of TSCA provides that EPA may not withhold from disclosure, on the grounds that they are confidential business information, health and safety studies of any substance or mixture that has been offered for commercial distribution (including for test marketing purposes and for use in research and development), any substance or mixture for which testing is required under TSCA section 4, or any substance for which notice is required under TSCA section 5, except to the extent that disclosure of data from such studies would reveal—

(i) Processes used in the manufacturing, importing, or processing of the substance or mixture, or

(ii) The portion of a mixture comprised by any of the substances in the mixture.

(2) Any respondent who wishes to assert a claim that part of a study should be withheld from disclosure because disclosure would reveal a confidential process or quantitative mixture composition should briefly state the basis of the claim, e.g., by saying “reveals confidential mixture proportion data,” and clearly identify the material subject to the claim.

(3) Any respondent may assert a confidentiality claim for company name or address, financial statistics, and product codes used by a company. This information will not be subject to the disclosure requirements of section 14(b) of TSCA.

(4) Information other than company name or address, financial statistics, and product codes used by a company, which is contained in a study, the disclosure of which would clearly be an unwarranted invasion of personal privacy (such as individual medical records), will be considered confidential by EPA as provided in Title 5, United States Code, section 552(b)(6).

(b) To assert a claim of confidentiality for data contained in a submitted document, the respondent must submit two copies of the document:

(1) One copy must be complete. In that copy, the respondent must indicate what data, if any, are claimed as confidential by bracketing or underlining the specific information. Each page containing data claimed as confidential must also contain a brief statement for the basis of the claim as well as a label such as “confidential,” “proprietary,” or “trade secret.”

(2) The second copy must be complete, except that all information claimed as confidential in the first copy must be deleted. The second copy will be immediately subject to public disclosure.

(3) Failure to furnish a second copy when information is claimed as confidential in the first copy will be considered a presumptive waiver of the claim of confidentiality. EPA will notify the respondent by certified mail that a finding of a presumptive waiver of the claim of confidentiality has been made. The respondent will be given 30

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days from the date of his or her receipt of this notification to submit the required second copy. If the respondent fails to submit the second copy within the 30 days, EPA will place the first copy in the public file.

(c) If no claim of confidentiality accompanies a document at the time it is submitted to EPA, the document will be placed in an open file available to the public without further notice to the respondent.

§ 716.60 Reporting schedule.

(a) *General requirements.* Except as provided in § 716.5 and paragraphs (b) and (c) of this section, submissions under §§ 716.30 and 716.35 must be postmarked on or before 60 days after the effective date of the listing of a substance or mixture in § 716.120 or within 60 days of proposing to manufacture (including import) or process a listed substance or listed mixture (including as a known byproduct) if first done after the effective date of the substance or mixture being listed in § 716.120.

(b)(1) *Submission of lists of initiated studies.* Persons subject to the listing requirements of § 716.35(a)(2) must inform EPA of the initiated study within 30 days of its initiation.

(2) *Submission of copies of completed studies.* Persons must submit copies of studies listed as ongoing or initiated under § 716.35(a) (1) and (2) within 30 days of completing the study.

(c) *Requests for extensions of time.* Respondents who cannot meet a deadline under this section may apply for a reasonable extension of time. Extension requests must be postmarked on or before 40 days after the effective date of the listing of a substance or mixture in § 716.120. The Director of EPA's Office of Pollution Prevention and Toxics will grant or deny extension requests.

(d) *Submission methods.* You must submit a request for an extension of time in writing by one of the following methods:

(1) Mail, preferably certified, to the Director, Office of Pollution Prevention and Toxics (OPPT) (7401M), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001, ATTN: Section 8(d) Extension.

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(2) Hand delivery to OPPT Document Control Office (DCO), EPA East, Rm. 6428, 1201 Constitution Ave., NW., Washington, DC, ATTN: Section 8(d) Extension. The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202) 564-8930. Such deliveries are only accepted during the DCO's normal hours of operation.

[51 FR 32726, Sept. 15, 1986, as amended at 60 FR 34464, July 3, 1995; 63 FR 15774, Apr. 1, 1998; 71 FR 47135, Aug. 16, 2006]

§ 716.65 Reporting period.

Unless otherwise required in a rule promulgated under 15 U.S.C. 2607(d) relating to a listed chemical substance or listed mixture [hereinafter "rule"], the reporting period for a listed chemical substance or listed mixture will terminate 60 days after the effective date on which the listed chemical substance or listed mixture is added to 40 CFR 716.120. EPA may require reporting for a listed chemical substance or listed mixture beyond the 60 day period in a rule promulgated under 15 U.S.C. 2607(d), however EPA will not extend any reporting period later than 2 years after the effective date on which a listed chemical substance or listed mixture is added to 40 CFR 716.120. After the applicable reporting period terminates, any person subject to the rule under 40 CFR 716.5 (a)(2) or (a)(3) and who has submitted to EPA lists of ongoing or initiated studies under 40 CFR 716.35 (a)(1) or (a)(2) must submit a copy of any such study within 30 days after its completion, regardless of the study's completion date.

[63 FR 15774, Apr. 1, 1998]

Subpart B—Specific Chemical Listings

§ 716.105 Additions of substances and mixtures to which this subpart applies.

The requirements of this subpart will be extended periodically to cover additional substances and mixtures. Two procedures will be used to add substances and mixtures.

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(a) Except as provided in paragraph (b) of this section, substances and mixtures will be added to §716.120 after publication in the FEDERAL REGISTER of a notice of proposed amendment to this subpart. There will be at least a 30-day public comment period on the notice. After consideration of the comments, EPA will amend §716.120 by final rule to add the substances and listed mixtures.

(b) Except as provided in paragraph (c) of this section, chemical substances, mixtures, and categories of chemical substances that have been added to the TSCA section 4(e) Priority List by the Interagency Testing Committee, established under section 4 of TSCA, will be added to §716.120 but only to the extent that the total number of designated and recommended substances, mixtures and categories of chemical substances has not exceeded 50 in any 1 year. The addition of such chemical substances, mixtures, and categories of chemical substances to §716.120 will be effective 30 days after publication of a notice to that effect in the FEDERAL REGISTER.

(c) Prior to the effective date of an amendment under paragraph (b) of this section, the Assistant Administrator for Prevention, Pesticides and Toxic Substances may for good cause withdraw a chemical substance, mixture, or category of chemical substances from §716.120. Any information submitted showing why a chemical substance, mixture, or category of chemical substances should be withdrawn from the amendment must be received by EPA within 14 days after the date of publication of the notice under paragraph (b) of this section. If a chemical substance, mixture, or category of chemical substances is withdrawn, a FEDERAL REGISTER notice announcing this decision will be published no later than the effective date of the amendment under paragraph (b) of this section.

(d) Persons who wish to submit information that shows why a chemical should be withdrawn must submit their comments in writing by one of the following methods:

(1) Mail, preferably certified, to the Document Control Office (DCO) (7407M), Office of Pollution Prevention and Toxics (OPPT), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001, ATTN: 8(d) Auto-ITC.

(2) Hand delivery to OPPT Document Control Office (DCO), EPA East, Rm. 6428, 1201 Constitution Ave., NW., Washington, DC, ATTN: 8(d) Auto-ITC. The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202) 564-8930. Such deliveries are only accepted during the DCO's normal hours of operation.

[51 FR 32726, Sept. 15, 1986, as amended at 60 FR 34464, July 3, 1995; 71 FR 47135, Aug. 16, 2006]

§ 716.120 Substances and listed mixtures to which this subpart applies.

Substances listed in this section appear in order by Chemical Abstract Service Registry Number. Chemical mixtures and categories are listed separately and by alphabetical order. Chemical substances listed within a category are provided only as examples of the category, and are not included on the list of substances. When a chemical substance in the substance or category list had been listed previously by a trivial (or common) name, it appears first, followed by the Chemical Abstract Service (CAS) name appearing in the TSCA Chemical Substance Inventory.

(a) *List of substances.* The following chemical substances are subject to all the provisions of part 716. Manufacturers, importers, and processors of a listed substance are subject to the reporting requirements of subpart A for that substance.

CAS No.	Substance	Special exemptions	Effective date	Sunset date
62-74-8	Acetic acid, fluoro-, sodium salt .....	.....	03/07/86	03/07/96
67-63-0	2-Propanol .....	.....	12/15/86	12/15/96
67-66-3	Methane, trichloro- .....	.....	06/01/87	06/01/97
67-72-1	Ethane, hexachloro- .....	.....	04/29/83	01/13/86
68-12-2	Dimethyl formamide-Formamide, N,N-dimethyl- .....	.....	4/13/89	12/19/95
71-55-6	1,1,1-Trichloroethane—Ethane, 1,1,1-trichloro- .....	.....	10/04/82	10/04/92

CAS No.	Substance	Special exemptions	Effective date	Sunset date
74-83-9	Methane, bromo- .....	.....	06/01/87	06/01/97
74-87-3	Chloromethane—Methane, chloro- .....	.....	10/04/82	10/04/92
74-95-3	Methane, dibromo- .....	.....	6/1/87	12/19/95
74-97-5	Methane, bromochloro- .....	.....	6/1/87	12/19/95
75-00-3	Ethane, chloro- .....	.....	06/01/87	06/01/97
75-02-5	Vinyl fluoride—Ethene, fluoro- .....	.....	10/04/82	10/04/92
75-04-7	Ethanamine .....	.....	6/1/87	12/19/95
75-05-8	Acetonitrile .....	.....	10/04/82	10/04/92
75-09-2	Methylene chloride—Methane, dichloro- .....	.....	10/04/82	10/04/92
75-12-7	Formamide .....	.....	04/29/83	04/29/93
75-21-8	Oxirane .....	.....	10/04/82	10/04/92
75-25-2	Methane, tribromo- .....	.....	06/01/87	06/01/97
75-27-4	Methane, bromodichloro- .....	.....	6/1/87	12/19/95
75-29-6	Propane, 2-chloro- .....	.....	6/1/87	12/19/95
75-34-3	Ethane, 1,1-dichloro- .....	.....	06/01/87	06/01/97
75-37-6	1,1-Difluoroethane—Ethane, 1,1-difluoro- .....	.....	4/13/89	12/19/95
75-38-7	Vinylidene fluoride—Ethene, 1,1-difluoro- .....	.....	10/04/82	10/04/92
75-43-4	Dichloromonofluoromethane—Methane, dichlorofluoro- .....	.....	4/13/89	12/19/95
75-45-6	Chlorodifluoromethane—Methane, chlorodifluoro- .....	.....	4/13/89	6/30/98
75-52-5	Nitromethane—Methane, nitro- .....	.....	4/13/89	12/19/95
75-56-9	Oxirane, methyl- .....	.....	10/04/82	10/04/92
75-68-3	1-Chloro-1,1-difluoroethane—Ethane, 1-chloro-1,1-difluoro- .....	.....	4/13/89	12/19/95
75-86-5	Propanenitrile, 2-hydroxy-2-methyl- .....	.....	3/7/86	12/19/95
75-88-7	Ethane, 2-chloro- 1,1,1-trifluoro .....	.....	10/15/90	11/09/93
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane—Ethane, 1,1,2-trichloro-1,2,2-trifluoro-1. ....	.....	4/13/89	12/19/95
77-47-4	Hexachlorocyclopentadiene—1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro- .....	.....	10/04/82	10/04/92
77-58-7	Dibutyltin dilaurate—Stannane, dibutylbis[(1-oxododecyl)oxy]- .....	.....	01/03/83	01/03/93
78-59-1	Isophorone—2-Cyclohexen-1-one, 3,5,5-trimethyl- .....	.....	10/04/82	10/04/92
78-83-1	1-Propanol, 2-methyl- .....	.....	03/07/86	03/07/96
78-87-5	1,2-Dichloropropane—Propane, 1,2-dichloro- .....	.....	10/04/82	10/04/92
78-88-6	1-Propene, 2,3-dichloro- .....	.....	6/1/87	12/19/95
78-93-3	Methyl ethyl ketone—2-Butanone .....	.....	10/04/82	10/04/92
78-97-7	Propanenitrile, 2-hydroxy- .....	.....	6/1/87	12/19/95
78-99-9	Propane, 1,1-dichloro- .....	.....	3/7/86	12/19/95
79-00-5	Ethane, 1,1,2-trichloro- .....	.....	06/01/87	06/01/97
79-06-1	Acrylamide—2-Propenamide .....	.....	10/04/82	10/04/92
79-24-3	Nitroethane—Ethane, nitro- .....	.....	4/13/89	12/19/95
79-94-7	Tetrabromobisphenol A—Phenol, 4,4'-(methylene)bis[2,6-dibromo- .....	.....	06/20/85	06/20/95
80-05-7	Bisphenol A—Phenol, 4,4'-(1-methylethylidene)bis- .....	.....	06/28/84	06/28/94
80-15-9	Hydroperoxide, 1-methyl-1-phenylethyl .....	.....	3/7/86	12/19/95
80-62-6	Methyl methacrylate—2-Propenoic acid, 2-methyl-, methyl ester. ....	.....	4/13/89	6/30/98
84-65-1	Anthraquinone—9,10-Anthracenedione .....	.....	12/28/84	11/09/93
85-22-3	Pentabromoethylbenzene—Benzene, pentabromoethyl-. ....	.....	12/28/84	12/28/94
85-68-7	Benzyl butyl phthalate—1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester. ....	.....	04/29/83	04/29/93
86-74-8	9H-Carbazole .....	.....	03/07/86	03/07/96
87-68-3	Hexachloro-1,3-butadiene—1,3-Butadiene, 1,1,2,3,4,4-hexachloro- .....	.....	10/04/82	10/04/92
88-04-0	p-Chloro-m-xylene—Phenol, 4-chloro-3,5-dimethyl- .....	.....	4/13/89	12/19/95
90-30-2	N-Phenyl-1-naphthylamine .....	.....	9/30/91	12/19/95
90-42-6	[1,1'-Bicyclohexyl]-2-one .....	.....	06/01/87	11/09/93
91-08-7	Benzene, 1,3-diisocyanato-2-methyl- .....	.....	6/1/87	12/19/95
91-20-3	Naphthalene .....	.....	06/01/87	06/01/97
91-58-7	Naphthalene, 2-chloro- .....	.....	10/04/82	10/04/92
92-52-4	1,1'-Biphenyl .....	.....	04/29/83	04/29/93
92-69-3	[1,1'-Biphenyl]-4-ol .....	.....	6/1/87	12/19/95
92-84-2	10H-Phenothiazine .....	.....	06/01/87	06/01/97
92-87-5	[1,1'-Biphenyl]-4,4'-diamine .....	.....	06/01/87	06/01/97
95-14-7	1,2,3-Benzotriazole-1H—Benzotriazole .....	.....	4/13/89	12/19/95
95-47-6	o-Xylene—Benzene, 1,2-dimethyl- .....	.....	10/04/82	10/04/92
95-48-7	o-Cresol—Phenol, 2-methyl- .....	.....	10/04/82	10/04/92
95-49-8	2-Chlorotoluene—Benzene, 1-chloro-2-methyl- .....	.....	04/29/83	04/29/93
95-53-4	Benzenamine, 2-methyl- .....	.....	3/7/86	12/19/95
95-63-6	1,2,4-Trimethylbenzene—Benzene, 1,2,4-trimethyl- .....	.....	04/29/83	04/29/93
96-18-4	Propane, 1,2,3-trichloro-	06/01/87	06/01/97
96-29-7	2-Butanone, oxime	12/15/86	12/19/95

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CAS No.	Substance	Special exemptions	Effective date	Sunset date
96-37-7	Methylcyclopentane—Cyclopentane, methyl-	06/20/85	11/09/93
97-18-7	Phenol, 2,2'-thiobis[4,6-dichloro- .....	.....	6/1/87	12/19/95
97-23-4	Phenol, 2,2'-methylenebis[4-chloro- .....	.....	6/1/87	12/19/95
97-88-1	Butyl methacrylate-2-Propenoic acid, 2-methyl-,butyl ester. ....	.....	4/13/89	12/19/95
98-01-1	2-Furancarboxaldehyde .....	.....	06/01/87	06/01/97
98-06-6	Benzene, (1,1-dimethylethyl)- .....	.....	6/1/87	12/19/95
98-09-9	Benzenesulfonyl chloride .....	.....	3/7/86	12/19/95
98-51-1	<i>p</i> -tert-Butyltoluene—Benzene, 1-(1,1-dimethylethyl)-4-methyl- .....	.....	06/25/86	06/25/96
98-56-6	4-Chlorobenzotrifluoride—Benzene, 1-chloro-4-(trifluoromethyl)- .....	.....	04/29/83	04/29/93
98-73-7	<i>p</i> -tert-Butylbenzoic acid—Benzoic acid, 4-(1,1-dimethylethyl)- .....	.....	6/25/86	12/19/95
98-82-8	Cumene—Benzene, (1-methylethyl)- .....	.....	12/28/84	12/28/94
98-83-9	Benzene, (1-methylethyl)- .....	.....	06/01/87	11/09/93
98-95-3	Nitrobenzene—Benzene, nitro- .....	.....	10/04/82	10/04/92
100-02-7	<i>p</i> -Nitrophenol—Phenol, 4-nitro- .....	.....	4/13/89	6/30/98
100-40-3	4-Vinylcyclohexene .....	.....	1/11/90	11/09/93
100-41-4	Benzene, ethyl- .....	.....	06/19/87	06/19/97
100-48-1	4-Pyridinecarbonitrile .....	.....	06/01/87	06/01/87
100-54-9	3-Pyridinecarbonitrile .....	.....	06/01/87	12/29/88
100-70-9	2-Pyridinecarbonitrile .....	.....	06/01/87	11/09/93
101-68-8	Benzene, 1,1'-methylenebis[4-isocyanato- .....	.....	06/01/87	06/01/97
101-77-9	Benzenamine, 4,4'-methylenebis- .....	.....	10/04/82	10/04/92
101-84-8	Diphenyl oxide—Benzene, 1,1'-oxybis- .....	.....	4/13/89	6/30/98
102-71-6	Triethanolamine-Ethanol, 2,2',2'-nitrioltris- .....	.....	4/13/89	12/19/95
104-49-4	Benzene, 1,4-diisocyanato- .....	.....	06/01/87	11/09/93
104-51-8	Benzene, butyl- .....	.....	6/1/87	12/19/95
104-76-7	1-Hexanol, 2-ethyl- .....	.....	6/1/87	12/19/95
105-60-2	2 <i>H</i> -Azepin-2-one, hexahydro- .....	.....	06/01/87	06/01/97
106-42-3	<i>p</i> -Xylene—Benzene, 1,4-dimethyl- .....	.....	10/04/82	10/04/92
106-43-4	Benzene, 1-chloro-4-methyl- .....	.....	6/1/87	12/19/95
106-44-5	<i>p</i> -Cresol—Phenol, 4-methyl- .....	.....	10/04/82	10/04/92
106-49-0	Benzenamine, 4-methyl- .....	.....	03/07/86	03/07/96
106-50-3	<i>p</i> -Phenylenediamine—1,4-Benzenediamine .....	.....	10/04/82	10/04/92
106-51-4	Quinone—2,5-Cyclohexadiene-1,4-dione .....	.....	10/04/82	10/04/92
106-88-7	Oxirane, ethyl- .....	.....	10/04/82	10/04/92
106-89-8	Oxirane, (chloromethyl)- .....	.....	10/04/82	10/04/92
107-06-2	Ethane, 1,2-dichloro- .....	.....	06/01/87	06/01/97
107-10-8	1-Propanamine .....	.....	3/7/86	12/19/95
107-19-7	2-Propyn-1-ol .....	.....	3/7/86	12/19/95
107-98-2	1-Methoxy-2-propanol—2-Propanol, 1-methoxy- .....	.....	4/13/89	6/30/98
108-05-4	Vinyl acetate—Acetic acid ethenyl ester .....	.....	02/10/86	02/10/96
108-10-1	Methyl isobutyl ketone—2-Pentanone, 4-methyl- .....	.....	10/04/82	10/04/92
108-31-6	Maleic anhydride—2,5-Furandione .....	.....	09/10/84	09/10/94
108-38-3	<i>m</i> -Xylene—Benzene, 1,3-dimethyl- .....	.....	10/04/82	10/04/92
108-39-4	<i>m</i> -Cresol—Phenol, 3-methyl- .....	.....	10/04/82	10/04/92
108-60-1	Propane, 2,2'-oxybis[1-chloro- .....	.....	6/1/87	12/19/95
108-67-8	1,3,5-Trimethylbenzene—Benzene, 1,3,5-trimethyl- .....	.....	02/13/84	02/13/94
108-86-1	Benzene, bromo- .....	.....	6/1/87	12/19/95
108-88-3	Toluene—Benzene, methyl- .....	.....	10/04/82	10/04/92
108-89-4	4-Methylpyridine—Pyridine, 4-methyl- .....	.....	09/10/84	09/10/94
108-94-1	Cyclohexanone .....	.....	10/04/82	10/04/92
108-95-2	Phenol .....	.....	06/01/87	06/01/97
108-95-5	Thiophenol .....	.....	1/26/94	12/19/95
108-98-5	Benzenethiol .....	.....	03/07/86	03/07/96
108-99-6	3-Methylpyridine—Pyridine, 3-methyl- .....	.....	09/10/84	09/10/94
109-06-8	2-Methylpyridine—Pyridine, 2-methyl- .....	.....	09/10/84	09/10/94
109-77-3	Propanedinitrile .....	.....	3/7/86	12/19/95
109-87-5	Methane, Dimethoxy- .....	.....	6/1/87	12/19/95
109-89-7	Ethanamine, <i>N</i> -ethyl- .....	.....	06/01/87	06/01/97
110-75-8	Ethene, (2-chloroethoxy)- .....	.....	3/7/86	12/19/95
110-82-7	Cyclohexane .....	.....	12/19/85	12/19/95
110-86-1	Pyridine .....	.....	10/04/82	10/04/92
111-21-7	Ethylene bisoxyethylene diacetate—Ethanol, 2,2'-[1,2-ethanediybis(oxy)]bis-, diacetate. ....	.....	01/13/84	12/29/88
111-40-0	Diethylenetriamine—1,2-Ethanediamine, <i>N</i> -(2-aminoethyl)- .....	.....	04/29/83	04/29/93
111-42-2	Diethanolamine—Ethanol, 2,2'-iminobis- .....	.....	4/13/89	6/30/98
111-69-3	Hexanedinitrile .....	.....	6/1/87	12/19/95
111-76-2	2-Butoxyethanol—Ethanol, 2-butoxy- .....	.....	4/13/89	6/30/98
111-77-3	Diethylene glycol monomethyl ether-Ethanol, 2-(2-methoxyethoxy)- .....	.....	4/13/89	12/19/95

CAS No.	Substance	Special exemptions	Effective date	Sunset date
111–90–0	Diethylene glycol monoethyl ether-Ethanol, 2-(2-ethoxyethoxy)-	.....	4/13/89	12/19/95
111–91–1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	.....	3/7/86	12/19/95
111–92–2	1-Butanamine, N-butyl-	.....	6/1/87	12/19/95
112–35–6	Triethyleneglycol monomethyl ether—Ethanol, 2-[2-(2-methoxyethoxy)ethoxy]-	.....	06/20/85	06/20/95
112–50–5	Triethyleneglycol monoethyl ether—Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-	.....	06/20/85	06/20/95
112–90–3	Oleylamine—9-Octadecen-1-amine, (Z)-	.....	01/13/84	01/13/94
115–28–6	Chlorendic acid—Bicyclo[2.2.1] hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-	.....	04/29/83	01/13/86
115–96–8	Ethanol, 2-chloro-, phosphate (3:1)	.....	12/16/88	11/09/93
118–79–6	2,4,6-Tribromophenol	.....	1/11/90	6/30/98
120–20–7	Anthracene	.....	06/01/87	06/01/97
120–32–1	2-Benzyl-4-chlorophenol-Phenol, 4-chloro-2-chlorophenol(phenyl methyl)-	.....	4/13/89	12/19/95
121–44–8	Ethanamine, N,N-diethyl-	.....	01/13/84	01/13/94
121–47–1	Benzenesulfonic acid, 3-amino-	.....	06/01/87	12/29/88
122–09–8	Benzeneethanamine, alpha,alpha-dimethyl-	.....	3/7/86	12/19/95
122–66–7	Hydrazine, 1,2-diphenyl-	.....	06/01/87	06/01/97
122–99–6	2-Phenoxyethanol—Ethanol, 2-phenoxy-	.....	07/01/83	07/01/93
123–31–9	Hydroquinone—1,4-Benzenediol	.....	10/04/84	10/04/94
123–61–5	Benzene, 1,3-diisocyanato-	.....	06/01/87	11/09/93
123–72–8	Butanal	.....	12/16/88	12/19/95
124–16–3	1-Butoxyethoxy-2-propanol-2-Propanol, 1-(2-butoxyethoxy)-	.....	4/13/89	12/19/95
124–17–4	2-(2-Butoxyethoxy)ethyl acetate—Ethanol, 2-(2-butoxyethoxy)-, acetate.	.....	01/13/82	01/13/92
124–48–1	Methane, dibromochloro-	.....	06/01/87	06/01/97
126–73–8	Phosphoric acid, tributyl ester	.....	06/18/86	06/18/96
126–99–8	Chloroprene—1,3-Butadiene, 2-chloro-	.....	12/28/84	12/28/94
127–18–4	Ethene, tetrachloro-	.....	06/01/87	06/01/97
128–39–2	Phenol, 2,6-bis(1,1-dimethylethyl)-	.....	12/19/85	11/09/93
128–86–9	2,6-Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo-	.....	12/21/87	11/09/93
129–00–0	Pyrene	.....	06/01/87	06/01/97
131–17–9	Diallyl phthalate-1,2-Benzenedicarboxylic acid, di-2-propenyl ester.	.....	4/13/89	12/19/95
135–98–8	Benzene, (1-methylpropyl)-	.....	6/1/87	12/19/95
136–35–6	1-Triazene, 1,3-diphenyl-	§ 716.21(a)(5)	6/3/04	8/2/04
137–20–2	Soldium N-methyl-N-oleoyltaurine—Ethanesulfonic acid, 2-[methyl (1-oxo-9-octadecenyl)amino]-, sodium salt, (Z)-	.....	12/28/84	12/28/94
137–26–8	Thioperoxydicarbonic diamide, tetramethyl-	.....	6/1/87	12/19/95
139–25–3	Benzene, 1,1'-methylenebis[4-isocyanato-3-methyl-	.....	06/01/87	11/09/93
140–08–9	Tris(2-chloroethyl)phosphite—Ethanol, 2-chloro-, phosphite (3:1).	.....	04/29/83	01/13/86
140–66–9	4-(1,1,3,3-Tetramethylbutyl) phenol—Phenol, 4-(1,1,3,3-tetramethylbutyl)-	.....	01/30/83	12/29/88
140–88–5	Ethyl acrylate—2-Propenoic acid, ethyl ester	.....	4/13/89	6/30/98
141–79–7	Mesityl oxide—3-Penten-2-one, 4-methyl-	.....	10/04/82	10/04/92
142–28–9	Propane, 1,3-dichloro-	.....	3/7/86	12/19/95
142–84–7	1-Propanamine, N-propyl-	.....	03/07/86	12/5/90
143–22–6	Triethyleneglycol monobutyl ether—Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	.....	06/20/85	06/20/95
143–33–9	Sodium cyanide	.....	10/29/90	12/19/95
149–30–4	Mercaptobenzothiazole—2(3H-Benzothiazolethione	.....	12/28/84	12/28/94
149–57–5	2-Ethylhexanoic acid—Hexanoic acid, 2-ethyl-	.....	06/28/84	06/28/94
306–83–2	Ethane, 2,2-dichloro-1,1,1-trifluoro	.....	10/15/90	11/09/93
328–84–7	3,4-Dichlorobenzotrifluoride—Benzene, 1,2-dichloro-4-(trifluoromethyl)-	.....	05/08/85	11/09/93
354–33–6	Ethane, pentafluoro	.....	10/15/90	11/09/93
357–57–3	Strychnidin-10-one, 2,3-dimethoxy-	.....	3/7/86	12/19/95
428–59–1	Oxirane, trifluoro(trifluoromethyl)-	.....	10/04/82	10/04/92
496–46–8	Imidazo[4,5-d]imidazole-2,5-(1H,3H)-dione, tetrahydro-	§ 716.21(a)(1)	6/3/04	8/2/04
472–41–3	Phenol, 4-(3,4-dihydro-2,2,4-trimethyl-2H-1-benzopyran-4-yl)-	.....	06/01/87	12/29/88
506–96–7	Acetyl bromide	.....	6/1/87	12/19/95
526–73–8	1,2,3-Trimethylbenzene—Benzene, 1,2,3-trimethyl-	.....	02/13/84	11/09/93
530–50–7	Hydrazine, 1,1-diphenyl-	.....	6/1/87	12/19/95
534–07–6	2-Propanone, 1,3-dichloro-	.....	6/1/87	12/19/95
540–54–5	Propane, 1-chloro-	6/1/87	12/19/95
540–84–1	Pentane, 2,2,4-trimethyl-	6/1/87	12/19/95

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CAS No.	Substance	Special exemptions	Effective date	Sunset date
542-75-6	1-Propene, 1,3-dichloro-	06/01/87	06/01/97
556-67-2	Octamethylcyclotetrasiloxane—Cyclotetrasiloxane, octamethyl- .....	.....	12/28/84	12/28/94
563-54-2	1-Propene, 1,2-dichloro- .....	.....	03/07/86	12/29/88
563-58-6	1-Propene, 1,1-dichloro- .....	.....	03/07/86	12/29/88
580-51-8	[1,1'-Biphenyl]-3-ol .....	.....	06/01/87	11/09/93
584-84-9	Benzene, 2,4-diisocyanato-1-methyl- .....	.....	06/01/87	06/01/97
591-08-2	Acetamide, N-(aminothioxomethyl)- .....	.....	3/7/86	12/19/95
594-20-7	Propane, 2,2-dichloro- .....	.....	3/7/86	12/19/95
598-21-0	Acetyl bromide, bromo- .....	.....	6/1/87	12/19/95
598-31-2	2-Propanone, 1-bromo- .....	.....	3/7/86	12/19/95
616-23-9	1-Propanol, 2,3-dichloro- .....	.....	3/7/86	12/19/95
620-14-4	<i>m</i> -Ethyltoluene—Benzene, 1-ethyl-3-methyl- .....	.....	04/29/83	04/29/93
622-96-8	<i>p</i> -Ethyltoluene—Benzene, 1-ethyl-4-methyl- .....	.....	04/29/83	04/29/93
630-20-6	Ethane, 1,1,1,2-tetrachloro- .....	.....	6/1/87	12/19/95
632-79-1	Tetrabromophthalic anhydride .....	.....	1/11/90	12/19/95
637-92-3	Ethyl-tert-butyl ether	§ 716.20(b)(3) applies	12/28/94	6/30/98
646-06-0	1,3-Dioxolane .....	.....	01/03/83	01/03/93
677-21-4	Trifluoromethylethene—1-Propene, 3,3,3-trifluoro- .....	.....	04/29/83	01/13/86
685-91-6	Acetamide, <i>N,N</i> -diethyl- .....	.....	06/01/87	11/09/93
692-42-2	Arsine, diethyl- .....	.....	3/7/86	12/19/95
696-28-6	Arsonous dichloride, phenyl- .....	.....	3/7/86	12/19/95
757-58-4	Tetraphosphoric acid, hexaethyl ester .....	.....	3/7/86	12/19/95
811-97-2	Ethane, 1,1,2-tetrafluoro- .....	.....	10/15/90	11/09/93
812-03-3	Propane, 1,1,1,2-tetrachloro- .....	.....	6/1/87	12/19/95
822-06-0	Hexane, 1,6-diisocyanato- .....	.....	6/1/87	12/19/95
828-00-2	1,3-Dioxan-4-ol, 2,6-dimethyl-, acetate .....	.....	6/1/87	12/19/95
930-22-3	Oxirane, ethenyl- .....	.....	10/04/82	10/04/92
939-97-9	<i>p</i> - <i>tert</i> -Butylbenzaldehyde—Benzaldehyde, 4-(1,1-dimethylethyl)- .....	.....	06/25/86	11/09/93
994-05-8	Tert-amyl methyl ether	§ 716.20(b)(3) applies	12/28/94	06/30/98
1000-82-4	Methylolurea—Urea, (hydroxymethyl)- .....	.....	07/01/83	07/01/93
1070-78-6	Propane, 1,1,1,3-tetrachloro- .....	.....	6/1/87	12/19/95
1163-19-5	Decabromodiphenyl ether .....	.....	1/11/90	06/30/98
1185-81-5	Dibutyltin bis(lauryl mercaptide)—Stannane, dibutylbis(dodecylthio). .....	.....	01/03/83	01/03/93
1208-52-2	Benzenamine, 2-[(4-aminophenyl)methyl]- .....	.....	06/01/87	11/09/93
1300-71-6	Phenol, dimethyl- .....	.....	6/1/87	12/19/95
1309-64-4	Antimony trioxide .....	.....	10/04/82	10/04/92
1321-38-6	Benzene, diisocyanatomethyl-(unspecified isomer) .....	.....	06/01/87	11/09/93
1321-64-8	Naphthalene, pentachloro- .....	.....	10/04/82	10/04/92
1321-65-9	Naphthalene, trichloro- .....	.....	10/04/82	10/04/92
1331-47-1	[1,1'-Biphenyl]-4,4'-diamino, dichloro- .....	.....	06/01/87	11/09/93
1333-41-1	Methyl pyridine—Pyridine, methyl- .....	.....	09/10/84	12/29/88
1335-87-1	Naphthalene, hexachloro- .....	.....	10/04/82	10/04/92
1335-88-2	Naphthalene, tetrachloro- .....	.....	10/04/82	10/04/92
1345-04-6	Antimony trisulfide .....	.....	10/04/82	10/04/92
1464-53-5	2,2'-Bioxirane .....	.....	10/04/82	10/04/92
1634-04-4	Propane, 2-methoxy-2-methyl- .....	.....	12/15/86	12/15/96
1649-08-7	Ethane, 1,2-dichloro-1,1-difluoro .....	.....	10/15/90	12/19/95
1717-00-6	Ethane, 1,1-dichloro-1-fluoro- .....	.....	10/15/90	11/09/93
1825-30-5	Naphthalene, 1,5-dichloro- .....	.....	10/04/82	10/04/92
1825-31-6	Naphthalene, 1,4-dichloro- .....	.....	10/04/82	10/04/92
1888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro- .....	.....	3/7/87	12/19/95
2050-69-3	Naphthalene, 1,2-dichloro- .....	.....	10/04/82	10/04/92
2050-72-8	Naphthalene, 1,6-dichloro- .....	.....	10/04/82	10/04/92
2050-73-9	Naphthalene, 1,7-dichloro- .....	.....	10/04/82	10/04/92
2050-74-0	Naphthalene, 1,8-dichloro- .....	.....	10/04/82	10/04/92
2050-75-1	Naphthalene, 2,3-dichloro- .....	.....	10/04/82	10/04/92
2065-70-5	Naphthalene, 2,6-dichloro- .....	.....	10/04/82	10/04/92
2198-75-6	Naphthalene, 1,3-dichloro- .....	.....	10/04/82	10/04/92
2198-77-8	Naphthalene, 2,7-dichloro- .....	.....	10/04/82	10/04/92
2234-13-1	Naphthalene, octachloro- .....	.....	10/04/82	10/04/92
2536-05-2	Benzene, 1,1'-methylenebis[2-isocyanato- .....	.....	06/01/87	11/09/93
2556-36-7	Cyclohexane, 1,4-diisocyanato .....	.....	06/01/87	11/09/93
2763-96-4	3(2H)-Isoxazolone, 5-(aminomethyl)- .....	.....	3/7/86	2/19/95
2778-42-9	Benzene, 1,3-bis(1-isocyanato-1-methylethyl)- .....	.....	06/01/87	11/09/93
2861-02-1	2,6-Anthracenedisulfonic acid, 4,8-diamino-9,10-dihydro-1,5-dihydroxy-9,10-dioxo-, disodium salt .....	.....	12/21/87	12/19/95
2873-89-0	Ethane, 2-chloro-1,1,1,2-tetrafluoro- .....	.....	10/15/90	11/09/93
3083-25-8	Oxirane, (2,2,2-trichloroethyl)- .....	.....	10/04/82	10/04/92
3173-72-6	Naphthalene, 1,5-diisocyanato-	6/1/87	12/19/95
3194-55-6	Hexabromocyclododecane	1/11/90	12/19/95

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3278–89–5	Benzene, 1,3,5-tribromo-2-(2-propenyloxy)-	§ 716.21(a)(4)	6/3/04	8/2/04
3288–58–2	Phosphorodithioic acid, O,O-diethyl-S-methyl ester		3/7/86	12/19/95
3296–90–0	1,3-Propanediol, 2,2-bis(bromomethyl)-		6/1/87	12/19/95
3319–31–1	Tris(2-ethylhexyl) trimellitate—1,2,4-Benzenetricarboxylic acid, tris(2-ethylhexyl)ester.		01/03/83	01/03/93
3322–93–8	1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane—Cyclohexane, 1,2-dibromo-4-(1,2-dibromoethyl)-.		06/28/84	12/29/88
3389–71–7	1,2,3,4,7,7-Hexachloronorborene—Bicyclo[2.2.1]hepta-2,5-diene, 1,2,3,4,7,7-hexachloro-.		01/13/84	01/13/94
3618–72–2	Acetamide, N-[5-[bis(2-(acetyloxy)ethyl)amino]-2-[(2-bromo-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-.		06/19/87	11/09/93
3618-73-3	Acetamide, N-[5-[bis(2-(acetyloxy)ethyl)amino]-2-[(2-chloro-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-.		06/19/87	11/09/93
3956–55–6	Acetamide, N-[5-[bis(2-(acetyloxy)ethyl)amino]-2-[(2-bromo-4,6-dinitrophenyl)azo]-4-ethoxyphenyl]-.		12/15/86	11/09/93
4098–71–9	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-.		06/01/87	06/01/97
4170–30–3	2-Butenal		3/7/86	12/19/95
5124–30–1	Cyclohexane, 1,1'-methylenebis[4-isocyanato-		06/01/87	06/01/97
5131–66–8	1-Butoxy-2-propanol-2-Propanol, 1-butoxy-		4/13/89	12/19/95
5344–82–1	Thiourea, (2-chlorophenyl)-		3/7/86	12/19/95
5873–54–1	Benzene, 1-isocyanato-2-[4-isocyanatophenyl]methyl]-.		06/01/87	11/09/93
6145–73–9	1-Propanol, 2-chloro-, phosphate (3:1)		12/16/88	11/09/93
6247–34–3	2-Anthracenesulfonic acid, 4-[[4-(acetylamino)phenyl]amino]-1-amino-9,10-dihydro-9,10-dioxo-.		12/21/87	11/09/93
6422–86–2	Bis(2-ethylhexyl) terephthalate—1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester.		01/03/83	01/03/93
6424–85–7	2-Anthracenesulfonic acid, 4-[[4-(acetylamino)phenyl]amino]-1-amino-9,10-dihydro-9,10-dioxo-, monosodium salt.		12/21/87	12/19/95
7320–37–8	Oxirane, tetradecyl-		10/04/82	10/04/92
7440–28–0	Thallium		06/01/87	06/01/97
7440–36–0	Antimony		10/04/82	10/04/92
7440–48–4	Cobalt		06/01/87	06/01/97
7723–14–0	White phosphorus		04/12/93	06/30/98
9011–05–6	Urea, polymer with formaldehyde	§ 716.20(b)(1) applies	06/03/85	06/03/95
9016–87–9	Isocyanic acid, polymethylenepolyphenylene ester		6/1/87	12/19/95
10347–54–3	Cyclohexane, 1,4-bis(isocyanatomethyl)-		06/01/87	06/01/87
10436–39–2	1-Propene, 1,1,2,3-tetrachloro-		6/1/87	12/19/95
12001–85–3	Naphthenic acids, zinc salts		6/1/87	12/19/95
12185–10–3	White phosphorus		01/26/94	06/30/98
12217–79–7	9,10-Anthracenedione, 1,5-diamino-chloro-4,8-dihydroxy-		12/21/87	11/09/93
13414–54–5	Methallyl 2-nitrophenyl ether—Benzene, 1-[(2-methyl-2-propenyl)oxy]-2-nitro-		02/13/84	11/09/93
13414–55–6	7-Nitro-2,2-dimethyl-2,3-dihydro-benzofuran—Benzofuran, 2,3-dihydro-2,2-dimethyl-7-nitro-		02/13/84	02/13/94
13674–84–5	2-Propanol, 1-chloro-, phosphate (3:1)		12/16/88	11/09/93
13674–87–8	2-Propanol, 1,3-dichloro-, phosphate (3:1)		12/16/88	12/19/95
15646–96–5	Hexane, 1,6-diisocyanato-2,4,4-trimethyl-		06/01/87	11/09/93
16691–43–3	3H-1,2,4-Triazole-3-thione, 5-amino-1,2-dihydro-	§ 716.21(a)(1)	6/3/04	8/2/04
16938–22–0	Hexane, 1,6-diisocyanato-2,2,4-trimethyl-		06/01/87	11/09/93
17418–58–5	9,10-Anthracenedione, 1-amino-4-hydroxy-2-phenoxy-		12/21/87	12/19/95
18495–30–2	Propane, 1,1,2,3-tetrachloro-		06/01/87	12/29/88
18633–25–5	Oxirane, tridecyl-		10/04/82	10/04/92
19660–16–3	2-Propenoic acid, 2,3-dibromopropyl ester		06/01/87	12/29/88
21429–43–6	Acetamide, N-[5-[bis(2-(acetyloxy)ethyl)amino]-2-[(2-chloro-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-.		06/19/87	11/09/93
25168–06–3	Isopropyl phenol—Phenol, (1-methylethyl)-		04/13/89	11/09/93
25168–21-2	Dibutyltin bis (isooctyl maleate)—2-Butenoic acid, 4,4'-[[dibutylstannylene]bis(oxy)]bis-[4-oxo-, diisooctyl ester, (Z,Z)-.		01/03/83	01/03/93
25498–49-1	Tripropylene glycol monomethyl ether-Propanol, [2-(2-methoxy methylethoxy)methylethoxy]-.		4/13/89	12/19/95
25550–14–5	Benzene, ethylmethyl- (mixed isomers)		04/29/83	04/29/93
25550–98–5	Phosphorous acid, diisodecyl phenyl ester		12/19/85	12/19/95
25551–13–7	Trimethylbenzene—Benzene, trimethyl- (mixed isomers).		02/13/84	02/13/94
25640–78–2	Isopropyl biphenyl—1,1'-Biphenyl, (1-methylethyl)-		06/28/84	11/09/93

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25852-70-4	Monobutyltin tris (isooctyl) mercapto-acetate—Acetic acid, 2,2',2''-[(butylstannylidene)tris(thio)]tris-, triisooctyl ester.		01/03/83	01/03/93
26447-40-5	Benzene, 1,1'-methylenebis[isocyanato-		06/01/87	06/01/97
26471-62-5	Benzene, 1,3-diisocyanatomethyl-		06/01/87	06/01/97
26530-20-1	3(2 <i>H</i>)-Isothiazolone, 2-octyl-		06/01/87	12/29/88
26952-23-8	1-Propene, dichloro-		6/1/87	12/19/95
29091-20-1	Benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-.	§ 716.21(a)(2)	6/3/04	8/2/04
29385-43-1	Tolyl triazole-1 <i>H</i> -Benzotriazole, methyl-		4/13/89	12/19/95
32052-51-0	Isocyanic acid, trimethylcyclohexyl ester		06/01/87	11/09/93
32534-81-9	Pentabromodiphenyl ether		1/11/90	06/30/98
32536-52-0	Octabromodiphenyl ether		1/11/90	06/30/98
32588-76-4	Ethylene Bis-(tetrabromophthalimide)		1/11/90	12/19/95
33125-86-9	Phosphoric acid, 1,2-ethanediy l tetrakis (2-chloroethyl) ester.		12/16/88	11/09/93
34590-94-8	Dipropylene glycol monomethyl ether—Propanol, (2-methoxymethylethoxy)-.		4/13/89	6/30/98
37853-59-1	1,2-Bis(tribromophenoxy) ethane		1/11/90	06/30/98
38661-72-2	Cyclohexane, 1,3-bis(isocyanatomethyl)-		06/01/87	11/09/93
41291-34-3	Ethylene(5,6-dibromonorbornane-2,3-dicarboximide)		1/11/90	12/19/95
52907-07-0	Ethylene bis(5,6-dibromonorbornane-2,3-dicarboximide).		1/26/94	12/19/95
57137-10-7	Tribrominated polystyrene		1/11/90	12/19/95
61262-53-1	Ethylene bis(pentabromophenoxide)		1/11/90	12/19/95
61788-33-8	Terphenyl, chlorinated		10/04/82	12/29/88
61789-36-4	Calcium naphthenate—Naphthenic acids, calcium salts.		07/01/83	07/01/93
61789-51-3	Cobalt naphthenate—Naphthenic acids, cobalt salts ..		07/01/83	07/01/93
61790-14-5	Lead naphthenate—Naphthenic acids, lead salts		07/01/83	07/01/93
64742-95-6	Solvent naphtha (petroleum), light arom		2/13/84	2/13/94
68081-84-5	Oxirane, mono[(C ₁₀₋₁₆ -alkyloxy) methyl] derivatives ...		10/04/82	10/04/92
68122-86-1	Imidazolium compounds, 4,5-dihydro-1-methyl-2-nortallow alkyl-1-(2-tallow amidoethyl), methyl sulfates.		6/20/88	12/19/95
68153-35-5	Ethanaminium, 2-amino- <i>N</i> -(2-aminoethyl)- <i>N</i> -(2-hydroxyethyl)- <i>N</i> -methyl-, <i>N,N'</i> -ditallow acyl derivatives, methyl sulfates (salts).		06/20/88	11/09/93
68298-46-4	7-Amino-2,2-dimethyl-2,3-dihydrobenzofuran—7-Benzofuranamine,2,3-dihydro-2,2-dimethyl-		02/13/84	12/29/88
68389-88-8	Poly(oxy-1,2-ethanediy l), α-[2-[bis(2-aminoethyl)methylammonio]ethyl]-ω-hydroxy-, <i>N,N'</i> -dicoco acyl derivatives, methyl sulfates (salts).		06/20/88	11/09/93
68389-89-9	Poly(oxy-1,2-ethanediy l), α-[2-[bis(2-aminoethyl)methylammonio]ethyl]-ω-hydroxy-, <i>N,N'</i> -bis(hydrogenated tallow acyl) derivatives, methyl sulfates (salts).		06/20/88	11/09/93
68410-69-5	Poly(oxy-1,2-ethanediy l), alpha-[2-[bis(2-aminoethyl)methylammonio]ethyl]-w-hydroxy-, <i>N,N'</i> -ditallow acyl derivatives, methyl sulfates (salts).		6/20/88	12/19/95
68413-04-7	Poly[oxy(methyl-1,2-ethanediy l)], α-[2-[bis(2-aminoethyl)methylammonio] methylethyl]-ω-hydroxy-, <i>N,N'</i> -ditallow acyl derivatives, methyl sulfates (salts).		06/20/88	11/09/93
68554-06-3	Poly(oxy-1,2-ethanediy l), α-[3-[bis(2-aminoethyl)methylammonio]-2-hydroxy-propyl]-ω-hydroxy-, <i>N</i> -coco acyl derivatives, methyl sulfates (salts).		06/20/88	11/09/93
68611-64-3	Urea, reaction products with formaldehyde	§ 716.20(b)(1) applies	06/03/85	11/09/93
68928-76-7	Stannane, dimethylbis[(1-oxoneodecyl)oxy]-	§ 716.21(a)(3)	6/3/04	8/2/04
69009-90-1	Diisopropyl biphenyl—1,1'-Biphenyl, bis(1-methylethyl)-.		06/28/84	12/29/88
70914-09-9	Poly(oxy-1,2-ethanediy l), α-[2-[bis(2-aminoethyl)methylammonio]ethyl]-ω-hydroxy-, <i>N,N'</i> -di[C ₁₄₋₁₈ acyl] derivatives, methyl sulfates (salts).		06/20/88	06/20/88
75790-84-0	Benzene, 2-isocyanato-4-[(4-isocyanatophenyl)methyl]-1-methyl-		06/01/87	11/09/93
75790-87-3	Benzene, 1-isocyanato-2-[(4-isocyanato-phenyl)thio]-		06/01/87	11/09/93

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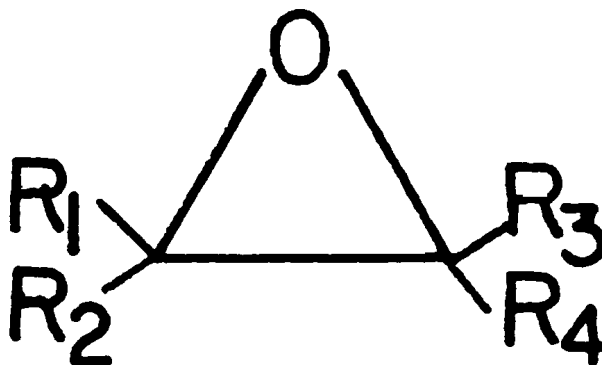
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(b) [Reserved]

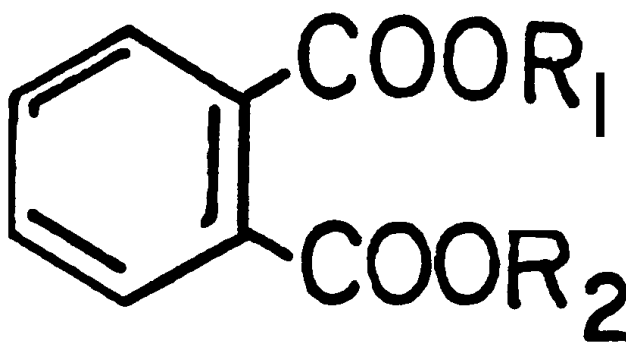
(c) *By category.* The following categories are listed in alphabetical order. Chemical substances listed within a category are provided only as examples of the category. All chemical substances within a category are subject to all the provisions of part 716 for the time period from the effective date of the category until the sunset date.

Manufacturers, importers, and processors of any chemical substance within a category are subject to the reporting requirements of subpart A for that category, except when the sunset date for the particular substance predates the sunset date for the category, or when the exemption of § 716.20(b) of this part applies.

Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
Alkyl epoxides—including all noncyclic aliphatic hydrocarbons with one or more epoxy functional groups.	10/4/82	12/29/88

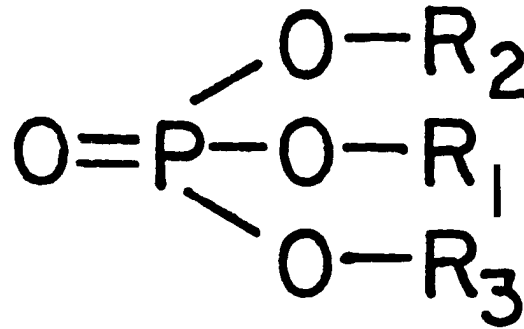


Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
R ₁ =R ₂ =R ₃ =R ₄ =H or alkyl. Groups R ₁ –R ₄ may contain one or more epoxide functions.				
Oxirane, decyl-	2855–19–8	.....	10/04/82	12/29/88
Oxirane, 2, 2 - dimethyl -	558 – 30 – 5	.....	10/04/82	12/29/88
Oxirane, 2, 3 - dimethyl -	3266 – 23 – 7	.....	10/04/82	12/29/88
Oxirane, dodecyl	3234 – 28 – 4	.....	10/04/82	12/29/88
Oxirane, heptadecyl -	67860 – 04 – 2	.....	10/04/82	12/29/88
Oxirane, octyl-	2404 – 44 – 6	.....	10/04/82, 12/29/88	
Oxirane, pentadecyl -	22092 – 38 – 2	.....	10/04/82	12/29/88
Alkyl phthalates — all alkyl esters of 1, 2-benzenedicarboxylic acid (<i>ortho</i> -phthalic acid). ....	.....	.....	10/04/82	10/04/92



Category	CAS No. (ex- amples for cat- egory)	Special ex- emptions	Effective date	Sunset date
R ₁ =R ₂ =alkyl.				
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117-81-7	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, bis(1-methylheptyl) ester	131-15-7	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	84-69-5	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, 2-butoxy-2-oxyethyl butyl ester	85-70-1	.....	10/04/82	01/13/86
1,2-Benzenedicarboxylic acid, butyl cyclohexyl ester	84-64-0	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester	85-69-8	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, butyl octyl ester	84-78-6	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, decyl hexyl ester	25724-58-7	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, decyl octyl ester	119-07-3	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, dibutyl ester	84-74-2	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, dicyclohexyl ester	84-61-7	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, diethyl ester	84-66-2	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, dihexyl ester	84-75-3	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, diisodecyl ester	26761-40-0	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, diisononyl ester	28553-12-0	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, diisooctyl ester	27554-26-3	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, demethyl ester	131-11-3	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, dinonyl ester	84-76-4	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, dioctyl ester	117-84-0	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, diundecyl ester	119-06-2	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, isodecyl tridecyl ester	3648-20-2	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, 2-ethylhexyl-8-methylnonyl ester	89-13-4	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, hexyl isodecyl ester	61702-81-6	.....	10/04/82	10/04/92
1,2-Benzenedicarboxylic acid, isodecyl tridecyl ester	61886-60-0	.....	10/04/82	10/04/92
Alkyltin compounds				
Dibutyltin S,S'-bis(isooctyl mercaptoacetate)—Acetic acid, 2,2'-[(dibutylstannylene)bis(thio)]bis-, diisooctyl ester	25168-24-5	.....	01/03/83	12/29/88
Dibutyltin S,S'-bis(isooctyl mercaptoacetate)—Acetic acid, 2,2'-[(dimethylstannylene)bis(thio)]bis-, diisooctyl ester	26636-01-1	.....	01/03/83	12/29/88
Mono methyltin tris(isooctylmercaptoacetate) Acetic acid, 2,2',2''-[(methylstannilydine)tris(thio)]tris-triisooctyl ester ..	54849-38-6	.....	01/03/83	12/29/88
Aniline and chloro-, bromo-, and/or nitroanilines				
Benzenamine	62-53-3	.....	10/04/82	10/04/92
Benzenamine, 4-bromo-	106-40-1	.....	10/04/82	10/04/92
Benzenamine, 2-bromo-6-chloro-4-nitro-	99-29-6	.....	10/04/82	10/04/92
Benzenamine, 2-bromo-,4,6-dinitro-	1817-73-8	.....	10/04/82	10/04/92
Benzenamine, 2-chloro-	95-51-2	.....	10/04/82	10/04/92
Benzenamine, 3-chloro-	108-42-9	.....	10/04/82	10/04/92
Benzenamine, 4-chloro-	106-47-8	.....	10/04/82	10/04/92
Benzenamine, 2-chloro-4,6-dinitro-	3531-19-9	.....	10/04/82	10/04/92
Benzenamine, 4-chloro-2,6-dinitro-	5388-62-5	.....	10/04/82	10/04/92
Benzenamine, 3-chloro-, hydrochloride	141-85-5	.....	10/04/82	10/04/92
Benzenamine, 2-chloro-4-nitro-	121-87-9	.....	10/04/82	10/04/92
Benzenamine, 2-chloro-5-nitro-	6283-25-6	.....	10/04/82	10/04/92
Benzenamine, 4-chloro-2-nitro-	89-63-4	.....	10/04/82	10/04/92
Benzenamine, 4-chloro-3-nitro-	635-22-3	.....	10/04/82	10/04/92
Benzenamine, 2,6-dibromo-4-nitro-	827-94-1	.....	10/04/82	10/04/92
Benzenamine, 2,3-dichloro-	608-27-5	.....	10/04/82	10/04/92
Benzenamine, 2,4-dichloro-	554-00-7	.....	10/04/82	10/04/92
Benzenamine, 2,5-dichloro-	95-82-9	.....	10/04/82	10/04/92

Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
Benzenamine, 3,4-dichloro-	95-76-1 .....	.....	10/04/82	10/04/92
Benzenamine, 3,5-dichloro-	626-43-7 .....	.....	10/04/82	10/04/92
Benzenamine, 2,6-dichloro-4-nitro-	99-30-9 .....	.....	10/04/82	10/04/92
Benzenamine, 2,4-dinitro-	97-02-9 .....	.....	10/04/82	10/04/92
Benzenamine, 2-nitro-	88-74-4 .....	.....	10/04/82	10/04/92
Benzenamine, 3-nitro-	99-09-2 .....	.....	10/04/82	10/04/92
Benzenamine, 4-nitro-	100-01-6 .....	.....	10/04/82	10/04/92
Benzenamine, 2,4,6-tribromo-	147-82-0 .....	.....	10/04/82	10/04/92
Benzenamine, 2,4,6-trichloro-	634-93-5 .....	.....	10/04/82	10/04/92
Aryl phosphates—phosphate esters of phenol or of alkyl-substituted phenols. Triaryl and mixed alkyl and aryl esters are included but trialkyl esters are excluded .....	.....	.....	10/04/82	10/04/92



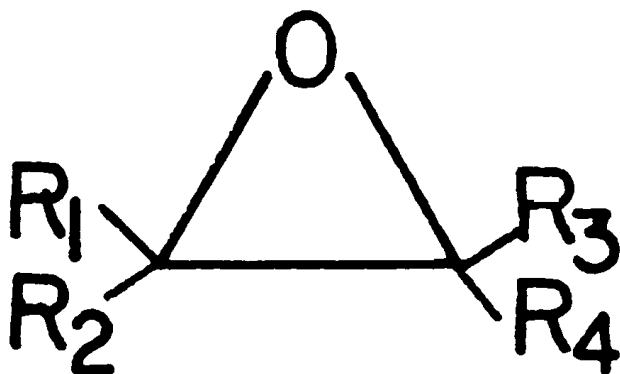
Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
R_1 =phenyl, either unsubstituted or substituted with one or more alkyl or aralkyl groups $R_2=R_3$ alkyl; or phenyl, either unsubstituted or substituted with one or more alkyl or aralkyl groups				
Phenol, dimethyl-, phosphate (3:1)	25155-23-1 .....	.....	10/04/82	10/04/92
Phenol, 4-(1,1-dimethylethyl)-, phosphate (3:1)	78-33-1 .....	.....	10/04/82	10/04/92
Phosphoric acid, dibutyl phenyl ester	2528-36-1 .....	.....	10/04/82	10/04/92
Phosphoric acid, diisodecyl phenyl ester	51363-64-5 .....	.....	10/04/82	10/04/92
Phosphoric acid, (1,1-dimethylethyl) phenyl diphenyl ester	56803-37-3 .....	.....	10/04/82	10/04/92
Phosphoric acid, 2-ethylhexyl diphenyl ester	1241-94-7 .....	.....	10/04/82	10/04/92
Phosphoric acid, isodecyl diphenyl ester	29761-21-5 .....	.....	10/04/82	10/04/92
Phosphoric acid, (1-methylethyl)phenyl diphenyl ester	28108-99-8 .....	.....	10/04/82	10/04/92
Phosphoric acid, methylphenyl diphenyl ester	25444-49-5 .....	.....	10/04/82	10/04/92
Phosphoric acid, (1-methyl-1-phenylethyl)phenyl diphenyl ester	34364-42-6 .....	.....	10/04/82	10/04/92
Phosphoric acid, triphenyl ester	115-86-6 .....	.....	10/04/82	10/04/92
Phosphoric acid, tris(methylphenyl) ester	1330-78-5 .....	.....	10/04/82	10/04/92
Phosphoric acid, tris(2-methylphenyl) ester	78-30-8 .....	.....	10/04/82	10/04/92
Phosphoric acid, tris(3-methylphenyl) ester	563-04-2 .....	.....	10/04/82	10/04/92
Phosphoric acid, tris(4-methylphenyl) ester	78-32-0 .....	.....	10/04/82	10/04/92
Asbestos—asbestiform varieties of chrysolite (serpentine); crocidolite (riebeckite); amosite (cummingtonite—grunerite); anthophyllite; tremolite; and actinolite. ....	.....	.....	10/04/82	10/04/92
Asbestos	1332-21-4 .....	.....	10/04/82	10/04/92
Asbestiform minerals	12001-29-5 .....	.....	10/04/82	10/04/92
Asbestiform minerals	17068-78-9 .....	.....	10/04/82	10/04/92
Asbestiform minerals	12172-73-5 .....	.....	10/04/82	10/04/92
Bisazobiphenyl dyes derived from benzidine and its congeners, <i>ortho</i> -toluidine (dimethylbenzidine) and dianisidine (dimethoxybenzidine) .....	.....	.....	10/04/82	10/04/92
Benzoic acid, 2-[[2-amino-6-[[4'-(-carboxy-4-hydroxyphenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]azo]-5-hydroxy-7-sulfo-1-naphthalenylazo]-5-nitro-, trisodium salt	6739-62-4	10/04/82	10/04/92

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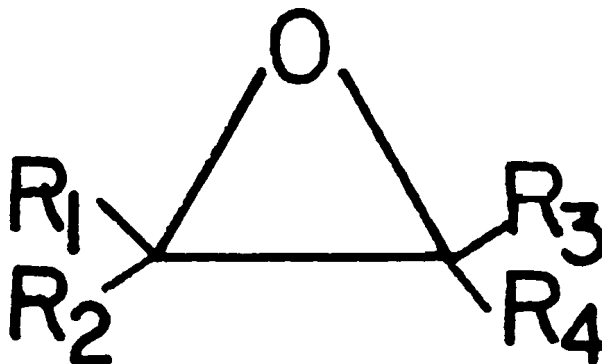
Category	CAS No. (ex- amples for cat- egory)	Special ex- emptions	Effective date	Sunset date
Benzoic acid, 5-[[4'-(2-amino-8-hydroxy-6-sulfo-1-naphthalenyl) azo] [1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, disodium salt	2429-84-7		10/04/82	10/04/92
Benzoic acid, 5-[[4'-(7-amino-1-hydroxy-3-sulfo-2-naphthalenyl)azo] [1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, disodium salt	2429-82-5		10/04/82	10/04/92
Benzoic acid, 5-[[4'-(1-amino-4-sulfo-2-naphthalenyl)azo] [1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, disodium salt	2429-79-0		10/04/82	10/04/92
Benzoic acid, 5-[[4'-[[2,6-diamino-3-[[8-hydroxy-3,6-disulfo-7-[[4-sulfo-1-naphthalenyl)azo]-2-naphthalenyl]azo]-5-methylphenyl]azo] [1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, tetrasodium salt	2429-81-4		10/04/82	10/04/92
Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-sulfo-phenyl]azo]-3,3'-dimethyl[1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, disodium salt	6637-88-3		10/04/82	10/04/92
Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-[[4-sulfo-phenyl]azo]phenyl]azo][1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, disodium salt	2586-58-5		10/04/82	10/04/92
Benzoic acid, 5-[[4'-[[2,6-diamino-3-methyl-5-[[4-sulfo-phenyl]azo]phenyl]azo][1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-3-methyl-, disodium salt	6360-54-9		10/04/82	10/04/92
Benzoic acid, 5-[[4'-[[2,4-dihydroxy-3-[[4-sulfo-phenyl]azo]phenyl]azo] [1,1'-biphenyl]-4-yl]-azo]-2-hydroxy-, disodium salt	2893-80-3		10/04/82	10/04/92
Benzoic acid, 3,3'-[[3,7-disulfo-1,5-naphthalenediyl]bis[azo(6-hydroxy-3,1-phenylene)azo(6(or 7)-sulfo-4,1-naphthalenediyl)azo][1,1'-biphenyl]-4,4'-diyl]azo]bis[6-hydroxy-, hexasodium salt	8014-91-3		10/04/82	10/04/92
[1,1'-Biphenyl]-4,1'-bis diazonium), 3,3'-dimethoxy-	20282-70-6		10/04/82	10/04/92
Butanamide, N,N'-(3,3'-dimethyl [1,1'-biphenyl]-4,4'-diyl)bis[3-oxo-	91-96-3		10/04/82	10/04/92
C.I. Direct Blue 218	10401-50-0		10/04/82	10/04/92
Cuprate(2-), [5-[[4'-[[2,6-dihydroxy-3-[[2-hydroxy-5-sulfo-phenyl]azo]phenyl]azo][1,1'-biphenyl]-4-yl]-azo]-2-hydroxybenzoato(4-)]-, disodium	16071-86-6		10/04/82	10/04/92
Cuprate(3-), [μ-[7-[[3,3'-dihydroxy-4'-[[1-hydroxy-6-(phenylamino)-3-sulfo-2-naphthalenyl]azo] [1,1'-biphenyl]-4-yl]-azo]-8-hydroxy-1,6-naphthalenedisulfonato(7-))]di-, trisodium	6656-03-7		10/04/82	10/04/92
Cuprate(4-), [μ-[[6,6'-[[3,3'-dihydroxy[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[4-amino-5-hydroxy-1,3-naphthalenedisulfonato(8-))]di-, tetrasodium	16143-79-6		10/04/82	10/04/92
2-Naphthalenecarboxamide, N,N'-(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis[3-hydroxy-	91-92-9		10/04/82	10/04/92
1,3-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-6-[[4'-[[2-hydroxy-1-naphthalenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]-azo]-, disodium salt	2586-57-4		10/04/82	10/04/92
1,3-Naphthalenedisulfonic acid, 6,6'-[[3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[4-amino-5-hydroxy-, tetrasodium salt	2610-05-1		10/04/82	10/04/92
1,3-Naphthalenedisulfonic acid, 8-[[4'-[[4-ethoxyphenyl)azo] [1,1'-biphenyl]-4-yl]-azo]-7-hydroxy-, disodium salt	3530-19-6		10/04/82	10/04/92
1,3-Naphthalenedisulfonic acid, 8-[[4'-[[4-ethoxyphenyl)azo]-3,3'-dimethyl [1,1'-biphenyl]-4-yl]-azo]-7-hydroxy-, disodium salt	6358-29-8		10/04/82	10/04/92
1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-[[4'-[[4-(4-methylphenyl) sulfonyloxy]phenyl]-azo] [1,1'-biphenyl]-4-yl]-azo]-, disodium salt	3567-65-5		10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 5-amino-3-[[4'-((7-amino-1-hydroxy-3-sulfo-2-naphthalenyl)-azo) [1,1'-biphenyl]-4-yl]-azo]-4-hydroxy-, trisodium salt	2429-73-4		10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4'-[[2,4-diamino-5-methylphenyl)azo] [1,1'-biphenyl]-4-yl]-azo]-5-hydroxy-6-phenylazo)-, disodium salt	2429-83-6		10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4'-[[2,4-diaminophenyl)azo] [1,1'-biphenyl]-4-yl]-azo] 5-hydroxy-6-phenylazo)-, disodium salt	1937-37-7		10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-6[[4'-[[4-hydroxyphenyl)azo] [1,1'-biphenyl]-4-yl]-azo]-3-[[4-nitrophenyl)azo]-, disodium salt	4335-09-5		10/04/82	10/04/92

Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-3-[[4'-(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo)-(phenylazo)-, disodium salt	3626–28–6	.....	10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxy-, tetrasodium salt	2602–46–2	.....	10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 3,3'-[[3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[5-amino-4-hydroxy-, tetrasodium salt	2429–74–5	.....	10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 3,3'-[[3,3'-dimethyl-[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[5-amino-4-hydroxy-, tetrasodium salt	72–57–1	.....	10/04/82	10/04/92
2,7-Naphthalenedisulfonic acid, 3,3'-[[3,3'-dimethyl-[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[4,5-dihydroxy-, tetrasodium salt	2150–54–1	.....	10/04/82	10/04/92
1-Naphthalenesulfonic acid, 3-[[4'[(6-amino-1-hydroxy-3-sulfo-2-naphthalenyl)azo]-3,3'-dimethoxy[1,1'-biphenyl]-4-yl]azo]-4-hydroxy-, disodium salt	6449–35–0	.....	10/04/82	10/04/92
1-Naphthalenesulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diyl-4,4'-diyl]bis(azo)]bis[4-amino-,disodium salt	573–58–0	.....	10/04/82	10/04/92
1-Naphthalenesulfonic acid, 3,3'-[[3,3'-dimethoxy-[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[4-hydroxy-, disodium salt	2429–71–2	.....	10/04/82	10/04/92
1-Naphthalenesulfonic acid, 3,3'-[[3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[4-amino-,disodium salt	992–59–6	.....	10/04/82	10/04/92
Chlorinated benzenes, mono-, di-, tri-, tetra-, and penta- .....	.....	.....	10/04/82	10/04/92
Benzene, chloro-	108–90–7	.....	10/04/82	10/04/92
Benzene, 1,2-dichloro-	95–50–1	.....	10/04/82	10/04/92
Benzene, 1,3-dichloro-	541–73–1	.....	10/04/82	10/04/92
Benzene, 1,4-dichloro-	106–46–7	.....	10/04/82	10/04/92
Benzene, pentachloro-	608–93–5	.....	10/04/82	10/04/92
Benzene, 1,2,3,4-tetrachloro-	634–66–2	.....	10/04/82	10/04/92
Benzene, 1,2,3,5-tetrachloro-	634–90–2	.....	10/04/82	10/04/92
Benzene, 1,2,4,5-tetrachloro-	95–94–3	.....	10/04/82	10/04/92
Benzene, 1,2,3-trichloro-	87–61–6	.....	10/04/82	10/04/92
Benzene, 1,2,4-trichloro-	120–82–1	.....	10/04/82	10/04/92
Benzene, 1,3,5-trichloro-	108–70–3	.....	10/04/82	10/04/92
Chlorinated naphthalenes—chlorinated derivatives of naphthalene (empirical formula) C ₁₀ H _x Cl _y where x=y=8. ....	.....	.....	10/04/82	12/29/88
Naphthalene, chloro-	25586–43–0	.....	10/04/82	12/29/88
Naphthalene, chloro derivatives	70776–03–3	.....	10/04/82	12/29/88
Naphthalene, 1-chloro-	90–13–1	.....	10/04/82	12/29/88
Naphthalene, heptachloro-	32241–08–0	.....	10/04/82	12/29/88
Chlorinated paraffins—chlorinated paraffin oils and chlorinated paraffin waxes, with chlorine content of 35 percent through 70 percent by weight. ....	.....	.....	10/04/82	10/04/92
Alkanes, chloro-	61788–76–9	.....	10/04/82	10/04/92
Alkanes, C _{6–18} , chloro-	68920–70–7	.....	10/04/82	10/04/92
Paraffin waxes and hydrocarbon waxes, chlorinated	63449–39–8	.....	10/04/82	10/04/92
Ethyltoluenes—This category consists of ethyltoluene (mixed isomers) and the ortho (1,2-), meta (1,3-) and para (1,4-) isomers .....	.....	.....	04/29/83	12/29/88
Benzene, 1-ethyl-2-methyl-	611–14–3	.....	04/29/83	12/29/88
Fluoroalkenes—This category is defined as fluoroalkenes of the general formula: C _n H _{2n-x} F _x where n equals 2 to 3 and X equals 1 to 6. ....	.....	.....	04/29/83	04/29/93
Ethene, tetrafluoro-	116–14–3	.....	04/29/83	04/29/93
Ethene, trifluoro-	359–11–5	.....	04/29/83	01/13/86
1-Propene, 1,1,2,3,3,3-hexafluoro-	116–15–4	.....	04/29/83	04/29/93
Glycidol (oxiranemethanol) and its derivatives .....	.....	.....	10/04/82	10/04/92



Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
R=H; alkyl, alkenyl or alkynyl; aryl; acyl. where R=alkyl, alkenyl, alkynyl, aryl, or acyl; any substituents or functional groups may be present with the alkyl, etc., groups				
1,2-Cyclohexanedicarboxylic acid, bis(oxiranylmethyl) ester ..	5493-45-8	.....	10/04/82	10/04/92
Disiloxane, 1,1,3,3-tetramethyl-1,3-bis[3-oxiranylmethoxy]propyl]- ..	126-80-7	.....	10/04/82	10/04/92
2,4-Imidazolidinedione, 5,5-dimethyl-3-[2-(oxiranylmethoxy)propyl]-1-(oxiranylmethyl)- ..	32568-89-1	.....	10/04/82	10/04/92
2,4-Imidazolidinedione, 3,3'-[2-(oxiranylmethoxy)-1,3-propanediyl]bis[5,5-dimethyl-1-(oxiranyl-methyl)- ..	38304-52-8	.....	10/04/82	10/04/92
Neodecanoic acid, oxiranylmethyl ester ..	26761-45-5	.....	10/04/82	10/04/92
Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis ..	2425-79-8	.....	10/04/82	10/04/92
Oxirane, (butoxymethyl)- ..	2426-08-6	.....	10/04/82	10/04/92
Oxirane, 2,2'-[1,4-cyclohexanedilbis(methyleneoxymethylene)]bis- ..	14228-73-0	.....	10/04/82	10/04/92
Oxirane, [(2,4-dibromophenoxy)methyl]- ..	20217-01-0	.....	10/04/82	10/04/92
Oxirane, [(1,2-dibromopropoxy)methyl]- ..	35243-89-1	.....	10/04/82	10/04/92
Oxirane, [(1,1-dimethylethoxy)methyl]- ..	7665-72-7	.....	10/04/82	10/04/92
Oxirane, [[4-(1,1-dimethylethyl)phenoxy]methyl]- ..	3101-60-8	.....	10/04/82	10/04/92
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- ..	17557-23-2	.....	10/04/82	10/04/92
Oxirane, [(dodecyloxy)methyl]- ..	2461-18-9	.....	10/04/82	10/04/92
Oxirane, 2,2'-[1,2-ethanediylbis(oxymethylene)]bis- ..	2224-15-9	.....	10/04/82	10/04/92
Oxirane, 2,2',2'',2'''-[1,2-ethanediylidenetetrakis-(4,1-phenyleneoxymethylene)]tetrakis- ..	7328-97-4	.....	10/04/82	10/04/92
Oxirane, (ethoxymethyl)- ..	4016-11-9	.....	10/04/82	10/04/92
Oxirane, [(2-ethylhexyl)oxy]methyl]- ..	2461-15-6	.....	10/04/82	10/04/92
Oxirane, [(hexadecyloxy)methyl]- ..	15965-99-8	.....	10/04/82	10/04/92
Oxirane, 2,2',2''-[1,2,6-hexanetriyltris-(oxymethylene)]tris- ..	68959-23-9	.....	10/04/82	10/04/92
Oxirane, (methoxymethyl)- ..	930-37-0	.....	10/04/82	10/04/92
Oxirane, 2,2'-[methylenebis(phenyleneoxymethylene)]bis- ..	39817-09-9	.....	10/04/82	10/04/92
Oxirane, 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis- ..	54208-63-8	.....	10/04/82	10/04/92
Oxirane, [(1-methylethoxy)methyl]- ..	4016-14-2	.....	10/04/82	10/04/92
Oxirane, 2,2'-[(1-methylethylidene)bis[4,1-phenyl-eneoxy[1-(butoxymethyl)-2,1-ethanediyl]oxymethylene]]bis- ..	71033-08-4	.....	10/04/82	10/04/92
Oxirane, 2,2'-[1-methylethylidene) bis(4,1-phenyl-eneoxymethylene)]bis- ..	1675-54-3	.....	10/04/82	10/04/92
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyl-eneoxymethylene)]bis-, homopolymer ..	25085-99-8	.....	10/04/82	10/04/92
Oxirane, 2,2'-[(1-methylethylidene)bis[4,1-phenyleneoxy-3,1-propanediyl]oxy-4,1-phenylene(1-methylethylidene)-4,1-phenyleneoxymethylene]]bis- ..	72319-24-5	.....	10/04/82	10/04/92
Oxirane, [(methylphenoxy)methyl]- ..	26447-14-3	.....	10/04/82	10/04/92
Oxirane, [(2-methylphenoxy)methyl]- ..	2210-79-9	.....	10/04/82	10/04/92
Oxirane, [[4-(1-methyl-1-phenylethyl)phenoxy]-methyl]- ..	61578-04-9	.....	10/04/82	10/04/92
Oxirane, mono[C ₆ -C ₁₂ -alkyloxy]methyl]derivatives ..	68987-80-4	.....	10/04/82	10/04/92
Oxirane, mono[C ₈ -C ₁₂ -alkyloxy]methyl]derivatives ..	68609-96-1	.....	10/04/82	10/04/92
Oxirane, mono[C ₁₀ -C ₁₆ -alkyloxy]methyl]derivatives ..	68081-84-5	.....	10/04/82	10/04/92
Oxirane, mono[(C ₁₀ -C ₁₄ -alkyloxy)methyl]derivatives ..	68609-97-2	.....	10/04/82	10/04/92
Oxirane, [(4-nitrophenoxy)methyl]- ..	5255-75-4	.....	10/04/82	10/04/92

Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
Oxirane, [(4-nonylphenoxy)methyl]-	6178-32-1		10/04/82	10/04/92
Oxirane, [(9-octadecenyloxy)methyl]-, (Z)-	60501-41-9		10/04/82	10/04/92
Oxirane, [(octadecyloxy)methyl]-	16245-97-9		10/04/82	10/04/92
Oxirane, 2,2'-(oxiranylmethoxy)-1,3-phenylene]bis(methylene)]bis-	13561-08-5		10/04/82	10/04/92
Oxirane, 2,2'-[[[2-oxiranylmethoxy)phenyl]methylene]bis(4,1-phenyleneoxy)methylene]]bis-	67786-03-2		10/04/82	10/04/92
Oxirane, 2,2'-[oxybis(methylene)]bis-	2238-07-5		10/04/82	10/04/92
Oxirane, (phenoxy)methyl-	122-60-1		10/04/82	10/04/92
Oxirane, 2,2'-[1,3-phenylenebis (oxymethylene)]bis-	2425-01-6		10/04/82	10/04/92
Oxirane, 2,2'-[1,4-phenylenebis (oxymethylene)]bis-	101-90-6		10/04/82	10/04/92
Oxirane, 2,2',2'1/4-[1,2,3-propanetriyl tris(oxymethylene)]tris-	13236-02-7		10/04/82	10/04/92
Oxirane, [(2-propenyloxy)methyl]-	106-92-3		10/04/82	10/04/92
Oxirane, 2,2',2'1/4-[propylidynetris (4,1-phenyleneoxy)methylene]]tris-	68517-02-2		10/04/82	10/04/92
Oxirane, [(tetradecyloxy)methyl]-	38954-75-5		10/04/82	10/04/92
Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester	77-83-8		10/04/82	10/04/92
Poly(oxy-1,2-ethanediyl)-, α-[4-oxiranylmethoxy]benzoyl]-, ω-[[4-oxiranylmethoxy]benzoyl]oxy]-	69943-75-5		10/04/82	10/04/92
2-Propenoic acid, 2-methyl-, oxiranylmethyl ester	106-91-2		10/04/82	10/04/92
2-Propenoic acid, oxiranylmethyl ester	106-90-1		10/04/82	10/04/92
Silane, [(3-chloropropyl)(dimethoxy)]3-(oxiranylmethoxy)propyl]-	71808-64-5		10/04/82	10/04/92
Silane, diethoxymethyl[3-(oxiranyl-methoxy)propyl]-	2897-60-1		10/04/82	10/04/92
Silane, ethoxydimethyl[3-(oxiranyl-methoxy)propyl]-	17963-04-1		10/04/82	10/04/92
Silane, trimethoxy[3-(oxiranyl-methoxy)propyl]-	2530-83-8		10/04/82	10/04/92
Tetrasiloxane, 1,1,1,3,5,7,7-octamethyl-3,5-bis[3-(oxiranylmethoxy)propyl]-	69155-42-6		10/04/82	10/04/92
Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-[3-(oxiranylmethoxy)propyl]-	7422-52-8		10/04/82	10/04/92
Halogenated alkyl epoxides—halogenated noncyclic aliphatic hydrocarbons with one or more epoxy functional groups.			10/04/82	12/29/88



Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
R ₁ =X or C _n H _{2n-1} -X _y (y=1 to 1n=1)				
R ₂ =H or X or C _n H _{2n-1} -X _y (y=0 to 2n=1)				
R ₃ =H or X or C _n H _{2n-1} -X _y (y=0 to 2n=1)				
R ₄ =H or X or C _n H _{2n-1} -X _y (y=0 to 2n=1)				
X=halogen. Groups R ₁ -R ₄ may contain one or more epoxide functions.				
Lead and lead compounds		§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Lead	7439- 92 - 1	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Acetic acid, lead (2+) salt	301 - 04 - 2	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008

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Category	CAS No. (examples for category)	Special exemptions	Effective date	Sunset date
Carbonic acid, lead (2+) salt (1:1)	598 – 63 – 0	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Lead chloride (PbCl ₂)	7758 – 95 – 4	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Chromic acid (H ₂ CrO ₄), lead (2+) salt (1:1)	7758 – 97 – 6	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Lead oxide (PbO ₂)	1309 – 60 – 0	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Oxirane, (2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)-	38565–52–5	.....	10/04/82	12/29/88
Borate (1-), tetrafluoro-, lead (2+) (2:1)	13814 – 96 – 5	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Phosphoric acid, lead (2+) salt (2:3)	7446 – 27 – 7	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Silicic acid, lead salt, basic	53466 – 66 – 3	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Octadecanoic acid, lead salt (1:?)	7428 – 48 – 0	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Sulfuric acid, lead salt (1:?), basic	63653 – 42 – 9	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Oxirane, (bromomethyl)-	3132–463–7	.....	10/04/82	12/29/88
Oxirane, (2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)-	38565–52–5	.....	10/04/82	12/29/88
Lead sulfide (PbS)	1314 – 8 7 – 0	§ 716.21 (a)(8)	February 28, 2008	April 28, 2008
Phenylenediamines (Benzenediamines). This category is defined as all nitrogen unsubstituted phenylenediamines and their salts with zero to two substituents on the ring selected from the same of different members of the group of halo, nitro, hydroxy, hydroxy-lower alkoxy, lower-alkyl, and lower alkoxy. For this purpose, the term "lower" is defined as a group containing between one and four carbons.				
1,2-Benzenediamine	95 – 54 – 5	.....	04/29/83	04/29/93
1,3-Benzenediamine	108 – 45 – 2	.....	4/29/83	4/29/93
1,2 - Benzenediamine, 4-butyl-	3663 – 23 – 8	.....	4/29/83	12/29/88
1,2 - Benzenediamine, 4-butyl-	95 – 83 – 0	.....	4/29/83	4/29/83
1,3-Benzenediamine, 4-chloro-	5131–60–2	.....	04/29/83	04/29/93
1,4-Benzenediamine, 2-chloro-, dihydrochloride	615–46–3	.....	04/29/83	12/29/88
1,2-Benzenediamine, 5-chloro-3-nitro-	42389–30–0	.....	04/29/83	12/29/88
1,2-Benzenediamine, 4-chloro-, sulfate (1:1)	68459–98–3	.....	04/29/83	12/29/88
1,3-Benzenediamine, 4-chloro-, sulfate (1:1)	68239–80–5	.....	04/29/83	12/29/88
1,4-Benzenediamine, 2-chloro-, sulfate	6219–71–2	.....	04/29/83	12/29/88
1,4-Benzenediamine, 2,5-dichloro-	20103–09–7	.....	04/29/83	12/29/88
1,2-Benzenediamine, dihydrochloride	615–28–1	.....	04/29/83	04/29/93
1,3-Benzenediamine, dihydrochloride	541–69–5	.....	04/29/83	04/29/93
1,4-Benzenediamine, dihydrochloride	624–18–0	.....	04/29/83	04/29/93
1,4-Benzenediamine, ethanedioate (1:1)	62654–17–5	.....	04/29/83	04/29/93
1,2-Benzenediamine, 4-ethoxy-	1197–37–1	.....	04/29/83	12/29/88
1,3-Benzenediamine, 4-ethoxy-dihydrochloride	67801–06–3	.....	04/29/83	12/29/88
1,3-Benzenediamine, 4-ethoxy-, sulfate (1:1)	68015–98–5	.....	04/29/83	12/29/88
1,3-Benzenediamine, ar-ethyl-ar-methyl-	68966–84–7	.....	04/29/83	12/29/88
1,4-Benzenediamine, 2-methoxy	5307–02–8	.....	04/29/83	04/29/93
1,2-Benzenediamine, 4-methoxy-, dihydrochloride	614–94–8	.....	04/29/83	12/29/88
1,3-Benzenediamine, 4-methoxy-, sulfate	6219–67–6	.....	04/29/83	12/29/88
1,3-Benzenediamine, 4-methoxy-, sulfate (1:1)	39156–41–7	.....	04/29/83	04/29/93
Benzenediamine, ar-methyl-	25376–45–8	.....	04/29/83	04/29/93
1,2-Benzenediamine, 3-methyl-	2687–25–4	.....	04/29/83	04/29/93
1,2-Benzenediamine, 4-methyl-	496–72–0	.....	04/29/83	04/29/93
1,3-Benzenediamine, 2-methyl-	823–40–5	.....	04/29/83	04/29/93
1,3-Benzenediamine, 4-methyl-	95–80–7	.....	04/29/83	04/29/93
1,3-Benzenediamine, 5-methyl-	108–71–4	.....	04/29/83	04/29/93
1,4-Benzenediamine, 2-methyl-	95–70–5	.....	04/29/83	04/29/93
1,4-Benzenediamine, 2-methyl-, dihydrochloride-	615–45–2	.....	04/29/83	04/29/93
1,4-Benzenediamine, 2-methyl-, sulfate	6369–59–1	.....	04/29/83	04/29/93
1,4-Benzenediamine, 2-methyl-, sulfate (1:1)	615–50–9	.....	04/29/83	04/29/93
1,2-Benzenediamine, 4-nitro-	99–56–9	.....	04/29/83	04/29/93
1,3-Benzenediamine, 4-nitro-	5131–58–8	.....	04/29/83	12/29/88
1,3-Benzenediamine, 5-nitro-	5042–55–7	.....	04/29/83	12/29/88
1,4-Benzenediamine, 2-nitro-,	5307–14–2	.....	04/29/83	04/29/93
1,2-Benzenediamine, 4-nitro-, dihydrochloride	6219–77–8	.....	04/29/83	12/29/88
1,4-Benzenediamine, 2-nitro-, dihydrochloride	18266–52–9	.....	04/29/83	12/29/88
1,2-Benzenediamine, 4-nitro-, sulfate (1:1)	68239–82–7	.....	04/29/83	12/29/88
1,4-Benzenediamine, 2-nitro-, sulfate (1:1)	68239–83–8	.....	04/29/83	12/29/88
1,3-Benzenediamine, sulfate (1:1)	541–70–8	.....	04/29/83	04/29/93

Category	CAS No. (ex-amples for cat-egory)	Special ex-emptions	Effective date	Sunset date
1,4-Benzenediamine, sulfate (1:1)	16245–77–5 .....	.....	04/29/83	04/29/93
Ethanol, 2-(2,4-diaminophenoxy)-, dihydrochloride	66422–95–5 .....	.....	04/29/83	12/29/88
Phenol, 2,4-diamino-, dihydrochloride	137–09–7 .....	.....	04/29/83	04/29/93
Phenol, 2,4-diamino-6-methyl-	15872–73–8 .....	.....	04/29/83	12/29/88
Phenol, 2,4-diamino-6-methyl-, hydrochloride	65879–44–9 .....	.....	04/29/83	12/29/88

(d) *Listed members of categories.* The following categories are listed in alphabetical order with the chemical substances identified in each category also listed alphabetically. Only those

chemical substances specifically listed within a category are subject to the provisions of part 716 for the time period from the effective date of the rule until the sunset date.

Category	CAS No.	Special Exemptions	Effective Date	Sunset Date
Aldehydes:				
Acetaldehyde	75–07–0 .....	.....	9/30/91	6/30/98
Acetaldehyde, chloro-	107–20–0 .....	.....	9/30/91	6/30/98
Acetaldehyde, (1,3-dihydro-1,3,3-trimethyl-2 <i>H</i> -indol-2-ylidene)	84–83–3 .....	.....	9/30/91	6/30/98
Acetaldehyde, trichloro-	75–87–6 .....	.....	9/30/91	6/30/98
Benzaldehyde	100–52–7 .....	.....	9/30/91	6/30/98
Benzaldehyde, 3-bromo-	3132–99–8 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-butyl-	1200–14–2 .....	.....	9/30/91	12/19/95
Benzaldehyde, 2-chloro-	89–98–5 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-chloro-	104–88–1 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-(diethylamino)-	120–21–8 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-(diethylamino)-2-hydroxy-	17754–90–4 .....	.....	9/30/91	6/30/98
Benzaldehyde, 2,4-dihydroxy-	95–01–2 .....	.....	9/30/91	12/19/95
Benzaldehyde, 2,5-dimethoxy-	93–02–7 .....	.....	9/30/91	6/30/98
Benzaldehyde, 3,4-dimethoxy-	120–14–9 .....	.....	9/30/91	6/30/98
Benzaldehyde, (dimethylamino)-	28602–27–9 .....	.....	9/30/91	12/19/95
Benzaldehyde, 4-(dimethylamino)-	100–10–7 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-ethoxy-	10031–82–0 .....	.....	9/30/91	12/19/95
Benzaldehyde, 3-ethoxy-4-hydroxy-	121–32–4 .....	.....	9/30/91	6/30/98
Benzaldehyde, 2-hydroxy-	90–02–8 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-hydroxy-	123–08–0 .....	.....	9/30/91	12/19/95
Benzaldehyde, 4-hydroxy-3-methoxy-	121–33–5 .....	.....	9/30/91	6/30/98
Benzaldehyde, 2-hydroxy-5-nitro-	97–51–8 .....	.....	9/30/91	12/19/95
Benzaldehyde, 2-methoxy-	135–02–4 .....	.....	9/30/91	12/19/95
Benzaldehyde, 4-methoxy-	123–11–5 .....	.....	9/30/91	6/30/98
Benzaldehyde, methyl-	1334–78–7 .....	.....	9/30/91	12/19/95
Benzaldehyde, 4-methyl-	104–87–0 .....	.....	9/30/91	6/30/98
Benzaldehyde, 2-nitro-	552–89–6 .....	.....	9/30/91	12/19/95
Benzaldehyde, 3-phenoxy-	39515–51–0 .....	.....	9/30/91	6/30/98
Benzaldehyde, 4-(trifluoromethyl)-	455–19–6 .....	.....	9/30/91	12/19/95
Benzeneacetaldehyde	122–78–1 .....	.....	9/30/91	6/30/98
Benzeneacetaldehyde, alpha-methyl-	93–53–8 .....	.....	9/30/91	12/19/95
Benzeneacetaldehyde, 4-methyl-	104–09–6 .....	.....	9/30/91	12/19/95
Benzenepropanal, 4-(1,1-dimethylethyl)- α -methyl-	80–54–6 .....	.....	9/30/91	6/30/98
Benzenepropanal, α -methyl-4-(1-methylethyl)-	103–95–7 .....	.....	9/30/91	6/30/98
1,3-Benzodioxole-5-carboxaldehyde	120–57–0 .....	.....	9/30/91	6/30/98
1,3-Benzodioxole-5-carboxaldehyde, 7-methoxy-	5780–07–4 .....	.....	9/30/91	12/19/95
Butanal, 3-methyl-	590–86–3 .....	.....	9/30/91	6/30/98
3-Cyclohexene-1-carboxaldehyde	100–50–5 .....	.....	9/30/91	6/30/98
3-Cyclohexene-1-carboxaldehyde, dimethyl-	27939–60–2 .....	.....	9/30/91	6/30/98
3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)-	31906–04–4 .....	.....	9/30/91	6/30/98
3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methyl-3-pentyl)-	52475–86–2 .....	.....	9/30/91	6/30/98
3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methylpentyl)-	66327–54–6 .....	.....	9/30/91	6/30/98
3-Cyclohexene-1-carboxaldehyde, 4-(4-methyl-3-pentyl)-	37677–14–8 .....	.....	9/30/91	12/19/95
3-Cyclohexene-1-carboxaldehyde, 2,4,6-trimethyl-	1423–46–7 .....	.....	9/30/91	12/19/95
3-Cyclopentene-1-acetaldehyde, 2,2,3-trimethyl-	4501–58–0 .....	.....	9/30/91	6/30/98
Decanal	112–31–2 .....	.....	9/30/91	6/30/98
4a(4 <i>H</i>)-Dibenzofurancarboxaldehyde, 1,5a,6,9,9a,9b-hexahydro-	126–15–8	9/30/91	6/30/98

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Category	CAS No.	Special Exemptions	Effective Date	Sunset Date
Dodecanal	112-54-9		9/30/91	6/30/98
Ethanedial	107-22-2		9/30/91	6/30/98
Heptanal	111-71-7		9/30/91	6/30/98
Heptanal, 2-(phenylmethylene)-	122-40-7		9/30/91	6/30/98
5-Heptenal, 2,6-dimethyl-	106-72-9		9/30/91	12/19/95
Hexanal, 2-ethyl-	123-05-7		9/30/91	6/30/98
Hexanal, 3,5,5-trimethyl-	5435-64-3		9/30/91	12/19/95
2-Hexenal	505-57-7		9/30/91	12/19/95
Hexenal, 2-ethyl-	26266-68-2		9/30/91	6/30/98
Indium Compounds:				
Acetic acid, indium(3+) salt	25114-58-3	§ 716.21(a)(6)	6/3/04	8/2/04
Indium	7440-74-6	§ 716.21(a)(6)	6/3/04	8/2/04
Indium chloride (InCl ₃)	10025-82-8	§ 716.21(a)(6)	6/3/04	8/2/04
Indium hydroxide (In(OH) ₃)	20661-21-6	§ 716.21(a)(6)	6/3/04	8/2/04
Indium oxide (In ₂ O ₃)	1312-43-2	§ 716.21(a)(6)	6/3/04	8/2/04
Indium phosphide (InP)	22398-80-7	§ 716.21(a)(6)	6/3/04	8/2/04
Indium tin oxide	50926-11-9	§ 716.21(a)(6)	6/3/04	8/2/04
Sulfamic acid, indium(3+) salt	66027-93-8	§ 716.21(a)(6)	6/3/04	8/2/04
Sulfuric acid, indium(3+) salt (3:2)	13464-82-9	§ 716.21(a)(6)	6/3/04	8/2/04
1-Naphthalene carboxaldehyde	66-77-3		9/30/91	12/19/95
Nonanal	124-19-6		9/30/91	6/30/98
2,6-Octadienal, 3,7-dimethyl-, (E)	141-27-5		9/30/91	12/19/95
2,6-Octadienal, 3,7-dimethyl-, (Z)	106-26-3		9/30/91	12/19/95
Octanal	124-13-0		9/30/91	6/30/98
Octanal, 3,7-dimethyl-	5988-91-0		9/30/91	12/19/95
Octanal, 7-hydroxy-3,7-dimethyl-	107-75-5		9/30/91	6/30/98
Octanal, 7-methoxy-3,7-dimethyl-	3613-30-7		9/30/91	6/30/98
Octanal, 2-(phenylmethylene)-	101-86-0		9/30/91	6/30/98
6-Octenal, 3,7-dimethyl-	106-23-0		9/30/91	6/30/98
6-Octenal, 3,7-dimethyl-, (S)	5949-05-3		9/30/91	12/19/95
Pentanal	110-62-3		9/30/91	6/30/98
Pentanedial	111-30-8		9/30/91	6/30/98
1-Piperidinecarboxaldehyde	2591-86-8		9/30/91	6/30/98
Propanal	123-38-6		9/30/91	6/30/98
Propanal, 3-hydroxy-2,2-dimethyl-	597-31-9		9/30/91	6/30/98
2-Propanal, 2-methyl-	78-85-3		9/30/91	12/19/95
Propanal, 3-(methylthio)-	3268-49-3		9/30/91	6/30/98
2-Propanal	107-02-8		9/30/91	6/30/98
2-Propanal, 3- 4-(1,1-dimethylethyl)phenyl -2-methyl-	13586-68-0		9/30/91	6/30/98
2-Propanal, 3-(2-methoxyphenyl)-	1504-74-1		9/30/91	6/30/98
2-Propanal, 2-methyl-	78-85-3		9/30/91	6/30/98
2-Propanal, 2-methyl-3-phenyl-	101-39-3		9/30/91	6/30/98
2-Propanal, 3-phenyl-	104-55-2		9/30/91	6/30/98
2-Propanal, 3-phenyl-, monopentyl deriv.	1331-92-6		9/30/91	6/30/98
2-Pyridinecarboxaldehyde	1121-60-4		9/30/91	12/19/95
2-Thiophene carboxaldehyde	98-03-3		9/30/91	12/19/95
Undecanal	112-44-7		9/30/91	6/30/98
Undecanal, 2-methyl-	110-41-8		9/30/91	6/30/98
9-Undecenal	143-14-6		9/30/91	12/19/95
10-Undecenal	112-45-8		9/30/91	6/30/98
Alkyl-, Chloro-, and Hydroxymethyl Diaryl Ethers:				
Benzene, 1-(bromomethyl)-3-phenoxy-	51632-16-7		04/12/93	06/30/98
Benzenemethanol, 3-phenoxy-	13826-35-2		04/12/93	06/30/98
Benzenemethanol, 3-phenoxy-, acetate	50789-44-1		4/12/93	12/19/95
Benzene, 1-methyl-3-phenoxy-	3586-14-9		04/12/93	06/30/98
Benzene, 1,1'-oxybis[dodecyl]-	69834-19-1		4/12/93	12/19/95
Benzene, 1,1'-oxybis[methyl]-	28299-41-4		04/12/93	06/30/98
Benzene, 1,1'-oxybis[(1,1,3,3-tetramethylbutyl)-	61702-88-3		4/12/93	12/19/95
Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-,	63734-62-3		04/12/93	06/30/98
Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy], potassium salt.	72242-48-3		04/12/93	06/30/98
1,1'-Biphenyl, phenoxy-	28984-89-6		04/12/93	06/30/98
2-Chloro-1-(3-methylphenoxy)-4-(trifluoromethyl)benzene.	42874-96-4		04/12/93	06/30/98
1,4-Diphenoxybenzene	3061-36-7		4/12/93	12/19/95
Phenol, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, acetate	50594-77-9		04/12/93	06/30/98
Alkyl Phosphates:				
Ethanol, 2-butoxy-, phosphate (3:1)	78-51-3		10/29/90	12/19/95
Ethanol, 2-(2-butoxyethoxy)-, phosphate (3:1)	7332-46-9		10/29/90	11/09/93
Phosphoric acid, bis(2-ethylhexyl) ester	298-07-7		10/29/90	12/19/95
Phosphoric acid, dibutyl ester	107-66-4		10/29/90	06/30/98
Phosphoric acid, didodecyl ester	7057-92-3		10/29/90	11/09/93
Phosphoric acid, diisooctyl ester	27215-10-7		10/29/90	11/09/93

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Phosphoric acid, dodecyl ester	12751–23–4	10/29/90	11/09/93
Phosphoric acid, 2-ethylhexyl ester	12645–31–7	10/29/90	11/09/93
Phosphoric acid, monobutyl ester	1623–15–0 .....	.....	10/29/90	11/09/93
Phosphoric acid, mono(2-ethylhexyl)ester	1070–03–7 .....	.....	10/29/90	11/09/93
Phosphoric acid, monohexyl ester	3900–04–7 .....	.....	10/29/90	11/09/93
Phosphoric acid, monomethyl ester	812–00–0 .....	.....	10/29/90	11/09/93
Phosphoric acid, mono(1-methylethyl)ester	1623–24–1 .....	.....	10/29/90	11/09/93
Phosphoric acid, monoctyl ester	3991–73–9 .....	.....	10/29/90	11/09/93
Phosphoric acid, monooctadecyl ester	2958–09–0 .....	.....	10/29/90	11/09/93
Phosphoric acid, triethyl ester	78–40–0 .....	.....	10/29/90	12/19/95
Phosphoric acid, tris(2-ethylhexyl) ester	78–42–2 .....	.....	10/29/90	12/19/95
Phosphoric acid, tris(2-methylpropyl) ester	126–71–6 .....	.....	10/29/90	11/09/93
Phosphorodichloridic acid, ethyl ester	1498–51–7 .....	.....	10/29/90	11/09/93
Alkylphenols and Alkylphenol Ethoxyates:				
tert-Butylphenol (mixed isomers)	27178–34–3 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
2-Butylphenol	3180–09–4	§ 716.20(b)(4) applies	3/29/96	6/30/98
2-tert-Butylphenol	88–18–6	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-n-Butylphenol	1638–22–8	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-sec-Butylphenol	99–71–8	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-tert-Butylphenol	98–54–4	§ 716.20(b)(4) applies	3/29/96	6/30/98
Decaethylene glycol 4-isooctylphenyl ether	2315–66–4	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-Dodecylphenol	104–43–8	§ 716.20(b)(4) applies	3/29/96	6/30/98
Dodecylphenol (mixed isomers)	1331–57–3	§ 716.20(b)(4) applies	3/29/96	6/30/98
Dedecylphenol (mixed isomers)	27193–86–8 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
Hexaethylene glycol 4-isooctylphenyl ether	2497–58–7	§ 716.20(b)(4) applies	3/29/96	6/30/98
Isobutylphenol (mixed isomers)	31195–95–6 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
Isononylphenol (mixed isomers)	11066–49–2 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-(1-Methylbutyl)phenol	94–06–4	§ 716.20(b)(4) applies	3/29/96	6/30/98
(1-Methylheptyl)phenol (mixed isomers)	27985–70–2 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-(1-Methyloctyl)phenol	17404–66–9 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
Nonylphenol (mixed isomers)	1300–16–9	§ 716.20(b)(4) applies	3/29/96	6/30/98
	25154–52–3 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-Nonylphenol	104–40–5	§ 716.20(b)(4) applies	3/29/96	6/30/98
Branched 4-nonylphenol (mixed isomers)	84852–15–3 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
2-Octylphenol	949–13–3	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-Octylphenol	1806–26–4	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-Pentylphenol	14938–35–3 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-tert-Pentylphenol	80–46–6	§ 716.20(b)(4) applies	3/29/96	6/30/98
Polyethylene glycol mono(octyl)phenyl ether	9036–19–5	§ 716.20(b)(4) applies	3/29/96	6/30/98
Polyethylene glycol 4-(tert-octyl)phenyl ether	9002–93–1	§ 716.20(b)(4) applies	3/29/96	6/30/98
Poly(oxy-1,2-ethanediyl), α -(octylphenyl)- ω -hydroxy-, branched.	68987–90–6 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
2-(1,1,3,3-Tetramethylbutyl)phenol	3884–95–5	§ 716.20(b)(4) applies	3/29/96	6/30/98
(1,1,3,3-Tetramethylbutyl)phenol (mixed isomers)	1322–69–6	§ 716.20(b)(4) applies	3/29/96	6/30/98

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	27193-28-8 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
	29932-96-5 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
	30105-54-5 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
	62744-41-6 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
4-(2,2,3,3-Tetramethylbutyl)phenol	54932-78-4 ...	§ 716.20(b)(4) applies	3/29/96	6/30/98
Brominated flame retardants:				
Alkanes, C10-18, bromochloro-	68955-41-9 ...		10/29/90	12/19/95
Benzamide, 3,5-dibromo-N-(4-bromophenyl)-2-hydroxy-	87-10-5 ...		10/29/90	12/19/95
Benzene, ethenyl-, homopolymer, brominated	88497-56-7 ...		10/29/90	11/09/93
Benzene, 1,1'-(1-methylethylidene)bis (3,5-dibromo-4-(2-propenyloxy)-)	25327-89-3 ...		10/29/90	11/09/93
Benzene, pentabromomethyl-	87-83-2 ...		10/29/90	12/19/95
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3 ...		10/29/90	12/19/95
Cyclohexane, tetrabromodichloro-	30554-72-4 ...		10/29/90	12/19/95
Cyclohexane, tribromotrichloro-	30554-73-5 ...		10/29/90	12/19/95
Ethanol, 2,2'-((1-methylethylidene)bis ((2,6-dibromo-4,1-phenyleneoxy)) bis-	4162-45-2 ...		10/29/90	12/19/95
Ethene, bromo-	593-60-2 ...		10/29/90	06/30/98
Phenol, 2,4-dibromo-	615-58-7 ...		10/29/90	12/19/95
Phenol, 2,4(or 2,6)-dibromo-,homopolymer	69882-11-7 ...		10/29/90	12/19/95
1-Propanol, 2,3-dibromo-	96-13-9 ...		10/29/90	12/19/95
1-Propanol, 2,2-dimethyl-,tribromo deriv	36483-57-5 ...		10/29/90	12/19/95
2-Propenoic acid,(1-methylethylidene)bis (2,6-dibromo-4,1-phenylene) ester.	55205-38-4 ...		10/29/90	12/19/95
Chloroalkyl phosphates:				
2,2-Bis(chloromethyl)-1,3-propanediyltetrakis(2-chloroethyl) phosphate.	38051-10-4 ...		6/14/93	12/19/95
2-Chloro-1-methylethylbis(2-chloropropyl) phosphate-	76649-15-5 ...		6/14/93	12/19/95
1,2-Ethanediy tetrakis(2-chloro-1-methylethylene) phosphate.	34621-99-3 ...		6/14/93	12/19/95
Oxydi-2,1-ethanediy tetrakis(2-chloroethyl) phosphate ..	53461-82-8 ...		6/14/93	12/19/95
Cyanoacrylates:				
2-Propenoic acid, 2-cyano-, methyl ester	137-05-3 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, isobutyl ester	1069-55-2 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-3,3-diphenyl-, 2-ethylhexyl ester.	6197-30-4 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, butyl ester	6606-65-1 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, ethyl ester	7085-85-0 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, 2-propenyl ester	7324-02-9 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, 1-methylethyl ester	10586-17-1 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, ethoxy ethyl ester	21982-43-4 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, 2,2,2-trifluoromethyl ester ...	23023-91-8 ...		1/26/94	12/19/95
2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester	27816-23-5 ...		1/26/94	12/19/95
Ethanaminium, 2-[[2-cyano-3-[4-(diethylamino)phenyl]-1-oxo-2-propenyl]oxy]-N,N,N-trimethyl-, chloride.	64992-16-1 ...		1/26/94	12/19/95
Indium Compounds:				
Acetic acid, indium(3+) salt	25114-58-3 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Indium	7440-74-6 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Indium chloride (InCl3)	10025-82-8 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Indium hydroxide (In(OH)3)	20661-21-6 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Indium oxide (In2O3)	1312-43-2 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Indium phosphide (InP)	22398-80-7 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Indium tin oxide	50926-11-9 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Sulfamic acid, indium(3+) salt	66027-93-8 ...	§ 716.21(a)(6)	6/3/04	8/2/04
Sulfuric acid, indium(3+) salt (3:2)	13464-82-9 ...	§ 716.21(a)(6)	6/3/04	8/2/04
IRIS Chemicals:				
3,4-Dimethylphenol	95-65-8 ...		9/30/91	12/19/95
2,4-Dinitrophenol	51-28-5 ...		9/30/91	12/19/95
Isocyanates:				
Acetic acid, isocyanato-, ethyl ester	2949-22-6 ...		10/29/90	11/09/93
Benzene, bis(isocyanatomethyl)-	25854-16-4 ...		10/29/90	11/09/93
Benzene, 1-bromo-4-isocyanato-	2493-02-9 ...		10/29/90	11/09/93
Benzene, 1-chloro-3-isocyanato-	2909-38-8 ...		10/29/90	11/09/93
Benzene, 1-chloro-4-isocyanato-	104-12-1 ...		10/29/90	06/30/98
Benzene, 1,2-dichloro-4-isocyanato-	102-36-3 ...		10/29/90	06/30/98
Benzene, 1,3-dichloro-5-isocyanato-	34893-92-0 ...		10/29/90	11/09/93
Benzene, 1,1'-(diisocyanatomethylene)bis-	10031-75-1 ...		10/29/90	11/09/93
Benzene, isocyanato-	103-71-9 ...		10/29/90	06/30/98

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Benzene, 2-isocyanato-1,3-bis(1-methylethyl)-	28178-42-9	10/29/90	11/09/93
Benzene, 2-isocyanato-1,3-dimethyl-, ester	28556-81-2	10/29/90	11/09/93
Benzene, 1-isocyanato-2-methyl-	614-68-6 .....	.....	10/29/90	11/09/93
Benzene, 1-isocyanato-4-methyl-	622-58-2 .....	.....	10/29/90	11/09/93
Benzene, 1-isocyanato-4-nitro-	100-28-7 .....	.....	10/29/90	11/09/93
Benzene, 1-isocyanato-3-(trifluoromethyl)-	329-01-1 .....	.....	10/29/90	06/30/98
Benzene, 1,1',1''-methylidynetris(4-isocyanato-	2422-91-5 .....	.....	10/29/90	11/09/93
Butane, 1-isocyanato-	111-36-4 .....	.....	10/29/90	06/30/98
Cyclohexane, 2-heptyl-3,4-bis (9-isocyanatononyl)-1-	68239-06-5 ...	.....	10/29/90	11/09/93
Cyclohexane, isocyanato-	3173-53-3 .....	.....	10/29/90	11/09/93
1,3-Diazetidene-2,4-dione, 1,3-bis(3-isocyanato	26747-90-0 ...	.....	10/29/90	11/09/93
methylphenyl)- .....	.....	.....	.....	.....
Ethane, isocyanato-	109-90-0 .....	.....	10/29/90	12/19/95
Imidodicarbonic diamide, N,N'-2-tris(6-isocyanatohexyl)-	4035-89-6 .....	.....	10/29/90	11/09/93
Methane, isocyanato-	624-83-9 .....	.....	10/29/90	12/19/95
Octadecane, 1-isocyanato-	112-96-9 .....	.....	10/29/90	11/09/93
Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester) ...	4151-51-3 .....	.....	10/29/90	11/09/93
Propane, 1-isocyanato-	110-78-1 .....	.....	10/29/90	11/09/93
1-Propene, 3-isocyanato-	1476-23-9 .....	.....	10/29/90	11/09/93
2-Propenoic acid, 2-methyl-, 2- isocyanatoethyl ester ...	30674-80-7 ...	.....	10/29/90	12/19/95
2-Propenoic acid, 2-methyl-2-(((5-isocyanato-1,3,3-	73597-26-9 ...	.....	10/29/90	11/09/93
trimethylcyclohexyl)methyl)amino carbonyl)oxy)ethyl .....	.....	.....	.....	.....
ester, .....	.....	.....	.....	.....
1,3,5,-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3-	26603-40-7 ...	.....	10/29/90	11/09/93
isocyanatomethylphenyl)- .....	.....	.....	.....	.....
Methyl ethylene glycol ethers and esters: .....	.....	.....	.....	.....
Ethylene glycol monomethyl ether acrylate	3121-61-7 .....	.....	1/26/94	12/19/95
Tetraethylene glycol monomethyl ether	23783-42-8 ...	.....	1/26/94	12/19/95
OSHA Chemicals in Need of Dermal Absorption Testing: .....	.....	.....	.....	.....
Amitrole	61-82-5	§ 716.20(b)(3)	3/11/94	6/30/98
applies .....	.....	.....	.....	.....
<i>n</i> -Amyl acetate	628-63-7	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
<i>o</i> -Anisidine	90-04-0	§ 716.20(b)(3)	3/11/94	6/30/98
applies .....	.....	.....	.....	.....
Benzyl chloride	100-44-7	§ 716.20(b)(3)	3/11/94	6/30/98
applies .....	.....	.....	.....	.....
<i>sec</i> -Butyl acetate	105-46-4	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
<i>tert</i> -Butyl acetate	540-88-5	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
<i>sec</i> -Butyl alcohol	78-92-2	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
<i>tert</i> -Butyl alcohol	75-65-0	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
<i>t</i> -Butylcatechol	98-29-3	§ 716.20(b)(3)	8/4/95	6/30/98
and (b)(4) apply .....	.....	.....	.....	.....
<i>o</i> - <i>sec</i> -butylphenol	89-72-5 .....	.....	3/11/94	6/30/98
Camphor	76-22-2	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
Carbon disulfide	75-15-0	§ 716.20(b)(3)	3/11/94	6/30/98
applies .....	.....	.....	.....	.....
Catechol	120-80-9	§ 716.20(b)(3)	8/4/95	6/30/98
and (b)(4) apply .....	.....	.....	.....	.....
<i>a</i> -Chloroacetophenone	532-27-4	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
Chlorobenzene	108-90-7	§ 716.20(b)(3)	3/11/94	6/30/98
applies .....	.....	.....	.....	.....
<i>o</i> -Chlorotoluene	95-49-8	§ 716.20(b)(3)	3/11/94	6/30/98
applies .....	.....	.....	.....	.....
Cyclohexene	110-83-8	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
Cyclohexanol	108-93-0	§ 716.20(b)(3)	8/4/95	6/30/98
and (b)(4) apply .....	.....	.....	.....	.....
Cyclopentadiene	542-92-7	§ 716.20(b)(3)	8/4/95	6/30/98
and (b)(4) apply .....	.....	.....	.....	.....
Cyclopentane	287-92-3	§ 716.20(b)(3)	1/26/94	6/30/98
applies .....	.....	.....	.....	.....
Diacetone alcohol	123-42-2	§ 716.20(b)(3)	8/4/95	6/30/98
and (b)(4) apply
Dibutyl phosphate	107-66-4	§ 716.20(b)(3)	1/26/94	6/30/98
applies

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1,2-Dichloroethylene	540-59-0	§ 716.20(b)(3) applies	3/11/94	6/30/98
Dicyclopentadiene	77-73-6	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
Dimethyl acetamide	127-19-5	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
Dimethylaniline	121-69-7	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
Dimethyl sulfate	77-78-1	§ 716.20(b)(3) applies	3/11/94	6/30/98
m-Dinitrobenzene	99-65-0	§ 716.20(b)(3) applies	3/11/94	6/30/98
o-Dinitrobenzene	528-29-0	§ 716.20(b)(3) applies	3/11/94	6/30/98
p-Dinitrobenzene	100-25-4	§ 716.20(b)(3) applies	1/26/94	6/30/98
2,4-Dinitrotoluene	121-14-2	§ 716.20(b)(3) applies	3/11/94	6/30/98
Diphenylamine	122-39-4	§ 716.20(b)(3) applies	3/11/94	6/30/98
Disulfiram	97-77-8	§ 716.20(b)(3) applies	1/26/94	1/26/94
Ethyl bromide	74-96-4	§ 716.20(b)(3) applies	3/11/94	6/30/98
Ethyl ether	60-29-7	§ 716.20(b)(3) applies	1/26/94	6/30/98
Heptane (n-Heptane)	142-82-5	§ 716.20(b)(3) applies	1/26/94	6/30/98
Indene	95-13-6	§ 716.20(b)(3) applies	3/11/94	6/30/98
Isoamyl acetate	123-92-2	§ 716.20(b)(3) applies	1/26/94	6/30/98
N-Isopropylaniline	768-52-5	§ 716.20(b)(3) applies	3/11/94	6/30/98
p-Methoxyphenol	150-76-5	§ 716.20(b)(3) applies	3/11/94	6/30/98
Methyl acetate	79-20-9	§ 716.20(b)(3) applies	1/26/94	6/30/98
Methylcyclohexane	108-87-2	§ 716.20(b)(3) applies	1/26/94	6/30/98
Methyl formate	107-31-3	§ 716.20(b)(3) applies	1/26/94	6/30/98
Methyl isoamyl ketone	110-12-3	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
p-Nitroaniline	100-01-6	§ 716.20(b)(3) applies	3/11/94	6/30/98
p-Nitrochlorobenzene	100-00-5	§ 716.20(b)(3) applies	3/11/94	6/30/98
1-Nitropropane	108-03-2	§ 716.20(b)(3) applies	1/26/94	6/30/98
2-Nitropropane	79-46-9	§ 716.20(b)(3) applies	3/11/94	6/30/98
m-Nitrotoluene	99-08-1	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
o-Nitrotoluene	88-72-2	§ 716.20(b)(3) applies	3/11/94	6/30/98
p-Nitrotoluene	99-99-0	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
Nonane	111-84-2	§ 716.20(b)(3) applies	1/26/94	6/30/98
Pentane	109-66-0	§ 716.20(b)(3) applies	1/26/94	6/30/98
Phenylhydrazine	100-63-0	§ 716.20(b)(3) applies	3/11/94	6/30/98
Propylene glycol dinitrate	6423-43-4	§ 716.20(b)(3) applies	3/11/94	6/30/98
Sodium bisulfite	7631-90-5	§ 716.20(b)(3) applies	1/26/94	6/30/98
Sodium metabisulfite	7681-57-4	§ 716.20(b)(3) applies	1/26/94	6/30/98
Tetrahydrofuran	109-99-9	§ 716.20(b)(3) applies	3/11/94	6/30/98

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m-Toluidine	108-44-1	§ 716.20(b)(3) applies	3/11/94	6/30/98
Vinylidene chloride	75-35-4	§ 716.20(b)(3) and (b)(4) apply	8/4/95	6/30/98
Vinyl toluene	25013-15-4	§ 716.20(b)(3) applies	3/11/94	6/30/98
p-Xylene	106-42-3	§ 716.20(b)(3) applies	1/26/94	6/30/98
Xylidine	1300-73-8	§ 716.20(b)(3) applies	3/11/94	6/30/98
Propylene glycol ethers and esters:				
Dipropylene glycol	110-96-5		1/26/94	12/19/95
Dipropylene glycol butyl ether	29911-28-2		1/26/94	12/19/95
Dipropylene glycol monomethyl ether acetate	88917-22-0		1/26/94	12/19/95
1-(2-Methoxy-1-methylethoxy)-2-propanol	20324-32-7		1/26/94	12/19/95
Methoxy-1-propanol	28677-93-2		1/26/94	12/19/95
1-Phenoxy-2-propanol	770-35-4		1/26/94	12/19/95
Propylene glycol monobutyl ether	29387-86-8		1/26/94	12/19/95
Propylene glycol monomethyl ether acetate	108-65-6		1/26/94	12/19/95
Propylene glycol mono-tert-butyl ether	57018-52-7		1/26/94	12/19/95
Tripropylene glycol diacrylate	42978-66-5		1/26/94	12/19/95
Tripropylene glycol methyl ether	20324-33-8		1/26/94	12/19/95
Siloxanes:				
Cyclopolydimethylsiloxane	69430-24-6		10/12/93	06/30/98
Decamethylcyclopentasiloxane	541-02-6		10/12/93	06/30/98
Decamethyltetrasiloxane	141-62-8		10/12/93	06/30/98
Dimethyldiphenylsiloxane	68083-14-7		10/12/93	06/30/98
Dimethylhydropolysiloxane	68037-59-2		10/12/93	06/30/98
Dimethylmethyl 3,3,3-trifluoropropyl siloxane	115361-68-7		10/12/93	06/30/98
Dimethylmethylvinylsiloxane	67762-94-1		10/12/93	06/30/98
Dimethylpolysiloxanes	68037-74-1	§ 716.20(b)(2) applies	10/12/93	06/30/98
Dimethyl silicones and siloxanes	63148-62-9		10/12/93	06/30/98
Dimethyl silicones and siloxane, reaction products with silica	67762-90-7	§ 716.20(b)(2) applies	10/12/93	06/30/98
Docosamethylcycloundecasiloxane	18766-38-6	§ 716.20(b)(2) applies	10/12/93	06/30/98
Docosamethyldecasiloxane	556-70-7	§ 716.20(b)(2) applies	10/12/93	06/30/98
Dodecamethylcyclohexasiloxane	540-97-6		10/12/93	06/30/98
Dodecamethylpentasiloxane	141-63-9		10/12/93	06/30/98
Dotetracontamethyleicosasiloxane	150027-00-2	§ 716.20(b)(2) applies	10/12/93	06/30/98
Dotriacontamethylcyclohexadecasiloxane	150026-95-2	§ 716.20(b)(2) applies	10/12/93	06/30/98
Dotriacontamethylpentadecasiloxane	2471-11-6	§ 716.20(b)(2) applies	10/12/93	06/30/98
Eicosamethylcyclodecasiloxane	18772-36-6	§ 716.20(b)(2) applies	10/12/93	06/30/98
Eicosamethylnonasiloxane	2652-13-3	§ 716.20(b)(2) applies	10/12/93	06/30/98
Hexacosamethylcyclotridecasiloxane	23732-94-7	§ 716.20(b)(2) applies	10/12/93	06/30/98
Hexacosamethyldecadecasiloxane	2471-08-1	§ 716.20(b)(2) applies	10/12/93	06/30/98
Hexadecamethylcyclooctasiloxane	556-68-3	§ 716.20(b)(2) applies	10/12/93	06/30/98
Hexadecamethylheptasiloxane	541-01-5	§ 716.20(b)(2) applies	10/12/93	06/30/98
Hexamethylcyclotrisiloxane	541-05-9		10/12/93	06/30/98
Hexamethyldisilazane	999-97-3		10/12/93	06/30/98
Hexamethyldisiloxane	107-46-0		10/12/93	06/30/98
Hexatriacontamethylcyclooctadecasiloxane	23523-12-8	§ 716.20(b)(2) applies	10/12/93	06/30/98
Hexatriacontamethylheptadecasiloxane	18844-04-7	§ 716.20(b)(2) applies	10/12/93	06/30/98
Methylpolysiloxane	9004-73-3		10/12/93	06/30/98
Methylvinylcyclosiloxane	2554-06-5		10/12/93	06/30/98
Siloxanes and silicones, di-Me, hydroxy-terminated	70131-67-8	§ 716.20(b)(2) applies	10/12/93	06/30/98
Octacosamethylcyclotetradecasiloxane	149050-40-8	§ 716.20(b)(2) applies	10/12/93	06/30/98
Octacosamethyltridecasiloxane	2471-09-2	§ 716.20(b)(2) applies	10/12/93	06/30/98

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Octadecamethylcyclononasiloxane	556-71-8	§ 716.20(b)(2) applies	10/12/93	06/30/98
Octadecamethyloctasiloxane	556-69-4	§ 716.20(b)(2) applies	10/12/93	06/30/98
Octamethyltrisiloxane	107-51-7		10/12/93	06/30/98
Octaphenylcyclotetrasiloxane	546-56-5		10/12/93	06/30/98
Octatriacontamethylcyclonadecasiloxane	150026-97-4 ..	§ 716.20(b)(2) applies	10/12/93	06/30/98
Octatriacontamethyloctadecasiloxane	36938-52-0 ..	§ 716.20(b)(2) applies	10/12/93	06/30/98
Polymethyloctadecylsiloxane	not available ..	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetracontamethylcycloicosasiloxane	150026-98-5 ..	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetracontamethylnonadecasiloxane	150026-99-6 ..	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetracosamethylcyclododecasiloxane	18919-94-3 ...	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetracosamethylundecasiloxane	107-53-9	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetradecamethylcycloheptasiloxane	107-50-6	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetradecamethylhexasiloxane	107-52-8	§ 716.20(b)(2) applies	10/12/93	06/30/98
Tetramethylcyclotetrasiloxane	2370-88-9		10/12/93	06/30/98
Tetramethyldivinylsiloxane	2627-95-4		10/12/93	06/30/98
Tetraatriacontamethylcycloheptadecasiloxane	150026-96-3 ..		10/12/93	06/30/98
Tetraatriacontamethylhexadecasiloxane	36938-50-8 ...	§ 716.20(b)(2) applies	10/12/93	06/30/98
Triaccontamethylcyclopentadecasiloxane	23523-14-0 ...	§ 716.20(b)(2) applies	10/12/93	06/30/98
Triaccontamethyltetradecasiloxane	2471-10-5	§ 716.20(b)(2) applies	10/12/93	06/30/98
Trifluoropropylmethylcyclotrisiloxane	2374-14-3		10/12/93	06/30/98
Substantially produced chemicals in need of subchronic tests:				
Acetoacetanilide	102-01-2		9/30/91	12/19/95
4-(Acetylamino)benzenesulfonyl chloride	121-60-8		9/30/91	6/30/98
2-(2-Aminoethoxy)-ethanol	929-06-6		6/30/92	6/30/98
7-Amino-4-hydroxy-2-naphthalenesulfonic acid	87-02-5		9/30/91	12/19/95
Ammonium carbamate	1111-78-0		9/30/91	12/19/95
1,3-Benzenedisulfonic acid	98-48-6		9/30/91	12/19/95
Bis(2-ethylhexyl)-2-butenedioate	142-16-5		9/30/91	12/19/95
Bromamine acid	116-81-4		9/30/91	12/19/95
Butyric anhydride	106-31-0		9/30/91	12/19/95
Ethanol, 2-(2-ethoxyethoxy)-, acetate	112-15-2		9/30/91	6/30/98
1,2-Dichlorobutane	616-21-7		9/30/91	12/19/95
3,4-Dichlorobutene	760-23-6		9/30/91	12/19/95
3,4-Dichloronitrobenzene	99-54-7		9/30/91	6/30/98
1,3-Dicyanobenzene	626-17-5		9/30/91	6/30/98
Diethylene glycol dimethyl ether	111-96-6		9/30/91	6/30/98
4-Ethoxynitrobenzene	100-29-8		9/30/91	6/30/98
2-Ethylantraquinone	84-51-5		9/30/91	12/19/95
Hexa(methoxymethyl) melamine	3089-11-0		9/30/91	6/30/98
3-Hydroxy-2-naphthoic acid	92-70-6		9/30/91	12/19/95
Isobutyl acrylate	106-63-8		9/30/91	12/19/95
Isophthaloyl chloride	9-63-8		9/30/91	12/19/95
4-Methyl-2-nitro-phenol	119-33-5		9/30/91	6/30/98
2-(4-Morpholinylidithio)-benzothiazole	95-32-9		9/30/91	12/19/95
Naphthalenedicarboxylic anhydride	81-84-5		9/30/91	6/30/98
1-Naphthol	90-15-3		9/30/91	12/19/95
<i>p,p'</i> -Oxybis(benzenesulfonylhydrazide)	80-51-3		9/30/91	6/30/98
2,4-Pentanedione	123-54-6		9/30/91	12/19/95
Perfluoro-N-hexane	355-42-0		9/30/91	12/19/95
Perfluorotributylamine	311-89-7		9/30/91	12/19/95
Propanoic anhydride	123-62-6		9/30/91	12/19/95
Quinacridone	1047-16-1		9/30/91	12/19/95
Terephthaloyl chloride	100-20-9		9/30/91	.....
Trichloromethanesulfonyl chloride	594-42-3		9/30/91	6/30/98
Triethylene glycol bis(2-ethylhexanoate)	94-28-0		9/30/91	12/19/95
Sulphones:				
2-Amino-4-[(2-hydroxyethyl) sulfonyl]phenol	17601-96-6 ...		9/30/91	12/19/95

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2-Amino-4-(methylsulfonyl)phenol	98-30-6	9/30/91	12/19/95
2-[(6-Amino-2-naphthalenyl) sulfonyl]ethanol	52218-35-6	9/30/91	12/19/95
2-[(3-Aminophenyl)sulfonyl]ethanol	5246-57-1 .....	.....	9/30/91	12/19/95
Bisphenol S	80-09-1 .....	.....	9/30/91	12/19/95
3-(Decyloxy)tetrahydrothiophene 1,1-dioxide	18760-44-6 ...	.....	9/30/91	12/19/95
4,4'-Diaminodiphenyl sulfone	80-08-0 .....	.....	9/30/91	12/19/95
4-[4-[(2,6-Dichloro-4-nitrophenyl)azo]phenyl]thiomorpholine, 11,1-dioxide.	17741-62-7 ...	.....	9/30/91	12/19/95
1-(Diiodomethyl)sulfonyl-4-methyl benzene	20018-09-1 ...	.....	9/30/91	12/19/95
Dimethylsulfone	67-71-0 .....	.....	9/30/91	12/19/95
Diphenylsulfone	127-63-9 .....	.....	9/30/91	12/19/95
3-[N-Ethyl-4-[[6-(methylsulfonyl)-2-benzothiazolyl]azo]-m-toluidino]propionitrile.	16588-67-3 ...	.....	9/30/91	12/19/95
1,1'-(Methylenebis(sulfonyl))bis-2-chloroethane	41123-59-5 .....	.....	9/30/91	12/19/95
2,2'-(Methylenebis(sulfonyl))bisethanol	41123-69-7 ...	.....	9/30/91	12/19/95
1,1'-(Methylenebis(sulfonyl))bisethene	3278-22-6 .....	.....	9/30/91	12/19/95
6-Methylsulfonyl-2-benzothiazolamine	17557-67-4 ...	.....	9/30/91	12/19/95
2-[(3-Nitrophenyl)sulfonyl]ethanol	41687-30-3 ...	.....	9/30/91	12/19/95
1,1'-[Oxybis(methylenesulfonyl)]bis-2-chloroethane	53061-10-2 ...	.....	9/30/91	12/19/95
2,2'-[Oxybis(methylenesulfonyl)] bisethanol	36724-43-3 ...	.....	9/30/91	12/19/95
1,1'-[Oxybis(methylenesulfonyl)] bisethene	26750-50-5 ...	.....	9/30/91	12/19/95
4-[[4-(Phenylmethoxy)phenyl]sulfonyl] phenol	63134-33-8 ...	.....	9/30/91	12/19/95
4-Phenylthiomorpholine, 1,1-dioxide	17688-68-5 ...	.....	9/30/91	12/19/95
Sulfolane	126-33-0 .....	.....	9/30/91	12/19/95
3-Sulfolene	77-79-2 .....	.....	9/30/91	12/19/95
Sulfonyl bis(4-chlorobenzene)	80-07-9 .....	.....	9/30/91	12/19/95
2,2'-Sulfonyl bisethanol	2580-77-0 .....	.....	9/30/91	12/19/95
Voluntary HPV Challenge Program orphan (un-sponsored) chemicals:				
Acetaldehyde, reaction products with formaldehyde, by-products from.	68442-60-4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Acetamide, 2,2-dichloro-N,N-di-2-propenyl-	37764-25-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Acid chlorides, tallow, hydrogenated	68955-37-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Alkanes, chloro	61788-76-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Alkenes, C-10 .alpha.-	64743-02-8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with sodium 3-chloro-2-hydroxypropanesulfonate.	70851-08-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Amides, tall-oil fatty, N,N-di-Me	68308-74-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Anthracene oil	90640-80-5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Aromatic hydrocarbons, C8, o-xylene-lean	68650-36-2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich	68955-76-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Barium, carbonate nonylphenol complexes	68515-89-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzaldehyde, 3-bromo-	3132-99-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzaldehyde, 3-phenoxy-	39515-51-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzaldehyde, 4-(1,1-dimethylethyl)-	939-97-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenamine, 2,6-diethyl-N-methylene-	35203-08-8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenamine, 2-ethyl-6-methyl-N-methylene-	35203-06-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenamine, 3-(trifluoromethyl)-	98-16-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenamine, N,N-dimethyl-	121-69-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenamine, N-phenyl-4-[[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]-, monohydrochloride.	2152-64-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, (2-chloro-1,1-dimethylethyl)-	515-40-2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1-(bromomethyl)-3-phenoxy-	51632-16-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

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Benzene, 1,1'-[1,2-ethanediylbis(oxy)]bis-	104-66-5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1,1'-oxybis-, tetrapropylene derivs.	119345-02-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1,2-dimethyl-3-nitro-	83-41-0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1-bromo-4-fluoro-	460-00-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1-chloro-2,4-dinitro-	97-00-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1-chloro-4-(trichloromethyl)-	5216-25-1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, 1-methoxy-4-methyl-	104-93-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, chloromethyl-	25168-05-2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, ethenylethyl-	28106-30-1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, ethylenated	68987-41-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzene, mixed with toluene, dealkylation product	68953-80-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester.	138-25-0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt.	3965-55-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	84-69-5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,4-Benzenedicarboxylic acid, dimethyl ester, manuf. of, by-products from.	68988-22-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenemethanol, alpha,...alpha.-dimethyl-	617-94-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenemethanol, 3-phenoxy-	13826-35-2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenesulfonic acid, 3-nitro-, sodium salt	127-68-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt.	38185-06-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine.	68584-25-8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenesulfonic acid, dimethyl-	25321-41-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzenesulfonyl chloride	98-09-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide	81-07-2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzoic acid, 2-methyl-	118-90-1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2,4,6,8,3,5,7-Benzotetraoxatriplumbacycloundecin-3,5,7-triylidene, 1,9-dihydro-1,9-dioxo-,	17976-43-1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzothiazole, 2-[(chloromethyl)thio]-	28908-00-1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Benzoyl chloride, 3,5-dichloro-	2905-62-6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,2-Butadiene	590-19-2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Butanedioic acid, oxo-, diethyl ester, ion(1-), sodium	40876-98-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Butanol, sodium salt	2372-45-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Butenal	4170-30-3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Butenediamide, (2E)-, N,N'-bis[2-(4,5-dihydro-2-nortall-oil alkyl-1H-imidazol-1-yl)ethyl] derivs..	68442-77-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Butenedioic acid (2E)-, di-C8-18-alkyl esters	68610-90-2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Butenedioic acid (2Z)-, dioctyl ester	2915-53-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Butenenitrile, 2-methyl-, (2E)-	30574-97-1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

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2-Butenenitrile, 2-methyl-, (2Z)-	20068–02–4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Carbamic acid, monoammonium salt	1111–78–0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Carbamodithioic acid, monoammonium salt	513–74–6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Carbonochlorodithioic acid, S-(phenylmethyl) ester	37734–45–5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Carbonodithioic acid, O-(1-methylethyl) ester, sodium salt.	140–93–2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Carboxylic acids, di-, C4–11	68937–72–4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Chromate(3-), bis[3-(hydroxy-.kappa.O)-4-[[2-(hydroxy-.kappa.O)-1-naphthalenyl]azo-.kappa.N1]-7-nitro-1-naphthalenesulfonato(3-)], trisodium.	57693–14–8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Coal, anthracite, calcined	68187–59–7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Creosote	8001–58–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Cyclohexane, oxidized, aq. ext., sodium salt	68915–39–9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Cyclohexane, oxidized, non-acidic by-products, distn. lights.	68609–05–2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3-Cyclopentadiene	542–92–7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Decane, 1-chloro-	1002–69–3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Decanoic acid, mixed esters with dipentaerythritol, octanoic acid and valeric acid.	68441–66–7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Decene, sulfurized	72162–15–3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Distillates (coal tar)	65996–92–1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Distillates (coal tar), heavy oils	90640–86–1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Distillates (coal tar), upper	65996–91–0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Distillates (petroleum), hydrofined lubricating-oil	68782–97–8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Distillates, hydrocarbon resin prodn. higher boiling	68602–81–3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Disulfides, alkylaryl dialkyl diaryl, petroleum refinery spent caustic oxidn. products.	68334–01–0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Disulfides, C5–12-alkyl	68513–62–2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethane, 1,1,1-trimethoxy-	1445–45–0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	111–91–1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethane, 1,1'-oxybis[2-chloro-	111–44–4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethane, 1,2-dichloro-, manuf. of, by-products from, distn. lights.	68608–59–3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,2-Ethanediamine, N,N,N',N'-tetramethyl-	110–18–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanedioic acid, calcium salt (1:1)	563–72–4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,2-Ethenediol, dinitrate	628–96–6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanesulfonic acid, 2-[methyl[(9Z)-1-oxo-9-octadecenyl]amino]-, sodium salt.	137–20–2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanimidodithioic acid, N-hydroxy-, methyl ester	13749–94–5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanol, 2-(2-butoxyethoxy)-, sodium salt	38321–18–5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues.	68909–77–3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine product tower residues.	71077–05–9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanol, 2-[(4-aminophenyl)sulfonyl]-, hydrogen sulfate (ester).	2494–89–5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethanol, 2-butoxy-, sodium salt	52663–57–7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

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Ethene, hydrated, by-products from	68987-66-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Ethenesulfonic acid, sodium salt	3039-83-6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Extract oils (coal), tar base	65996-86-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Extract residues (coal), tar oil alk.	65996-87-4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Extract residues (coal), tar oil alk., naphthalene distr. residues.	73665-18-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Extracts, coal tar oil alk.	65996-83-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Fats and Glyceridic oils, vegetable, reclaimed	68990-65-8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Fatty acids, tall-oil, 2-(2-hydroxyethoxy)ethyl esters	68309-16-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Fatty acids, tall-oil, low-boiling, reaction products with ammonia-ethanolamine reaction by-products.	68915-05-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Fatty acids, tall-oil, reaction products with diethylenetriamine, acetates.	68153-60-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Fatty acids, tall-oil, sulfonated, sodium salts	68309-27-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Formic acid, compd. with 2,2',2[ethanol] (1:1)	24794-58-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2,5-Furandione, dihydro-3-(octenyl)-	26680-54-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Glycine, N-(carboxymethyl)-	142-73-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Glycine, N-(carboxymethyl)-, disodium salt	928-72-3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Glycine, N-methyl-, monosodium salt	4316-73-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Glycine, N-phenyl-, monopotassium salt	19525-59-8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Glycine, N-phenyl-, monosodium salt	10265-69-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Hexacosanol	506-52-5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Hexadecane, 1-chloro-	4860-03-1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,4-Hexadiene	592-45-0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Hexanedioic acid, dihexyl ester	110-33-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Hexanedioic acid, esters with high-boiling C6-10-alkene hydroformylation products.	84501-86-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3-Hexanediol, 2-ethyl-	94-96-2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,6-Hexanediol, distr. residues	68937-29-1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Hexenal, 2-ethyl-	645-62-5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1H-Indole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-	85-40-5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Hydrocarbons, C12-20, catalytic alkylation by-products	68919-17-5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-	4035-89-6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3-Isobenzofurandione, 5-methyl-	19438-61-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Lard, oil, Me esters	68082-78-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Methanesulfonamide, N-[2-[(4-amino-3-methylphenyl)ethylamino]ethyl]-, sulfate (2:3).	25646-71-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Methanesulfonic acid, hydroxy-, monosodium salt	870-72-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Methanesulfonyl chloride	124-63-0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Methanone, (2-hydroxy-4-methoxyphenyl)phenyl-	131-57-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Naphtha (petroleum), clay-treated light straight-run	68527-22-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

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2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt.	5460–09–3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Naphthalenesulfonic acid, 2-amino-	81–16–3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Naphthalenesulfonic acid, 6-[(2,4-diaminophenyl)azo]-3-[[4-[[4-[[7-[[2,4-diaminophenyl]azo]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]phenyl]amino]-3-sulfo]phenyl]azo]-4-hydroxy-, trisodium salt.	6473–13–8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Naphthalenol, 1,2,3,4-tetrahydro-	529–33–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1(2H)-Naphthalenone, 3,4-dihydro-	529–34–0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1H,3H-Naphtho[1,8-cd]pyran-1,3-dione	81–84–5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-.	83864–02–2 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Octacosanol	557–61–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Octadecane, 1-chloro-	3386–33–2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt.	25383–99–7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Octadecanoic acid, 2-(hydroxymethyl)-2-[[1-oxooctadecyl]oxy]methyl]-1,3-propanediyl ester.	28188–24–1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Octadecanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol.	68815–50–9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
9-Octadecenoic acid, 12-(acetyloxy)-, 1,2,3-propanetriyl ester, (9Z,9'Z,9'',12R,12'R,12'')-.	101–34–8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Octane, 1-chloro-	111–85–3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Octanesulfonyl chloride	7795–95–1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Octanesulfonyl fluoride	40630–63–5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Oxirane, [(2-methylphenoxy)methyl]-	2210–79–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Oxiranemethanamine, N-[4-(oxiranylmethoxy)phenyl]-N-(oxiranylmethyl)-.	5026–74–4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Paraffin oils, chlorosulfonated, saponified	68188–18–1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
3-Pentanone	96–22–0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Pentene, 2,4,4-trimethyl-	107–39–1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Pentene, 2,4,4-trimethyl-	107–40–4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, (1,1,3,3-tetramethylbutyl)-	27193–28–8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, (1-methylethyl)-	25168–06–3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, 2-(1,1-dimethylethyl)-4-methyl-	2409–55–4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, 2,4-bis(1,1-dimethylpropyl)-6-[(2-nitrophenyl)azo]-.	52184–19–7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-[(2-nitrophenyl)azo]-.	70693–50–4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, 3-(diethylamino)-	91–68–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, 4-methyl-2-nitro-	119–33–5	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, isobutylated methylstyrenated	68457–74–9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, methyl-, sodium salt	34689–46–8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, nonyl derivs.	68081–86–7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenol, styrenated	61788–44–1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phenols (petroleum)	64743–03–9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphoramidithioic acid, O,O-dimethyl ester	17321–47–0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

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Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester.	56803-37-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloroethyl esters.	125997-20-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorochloridothioic acid, O,O-dimethyl ester	2524-03-0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorochloridous acid, bis(4-nonylphenyl) ester	63302-49-8 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorodichloridic acid, ethyl ester	1498-51-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters	68187-41-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts.	68649-42-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorodithioic acid, O,O-dimethyl ester	756-80-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorodithioic acid, O,O-dimethyl ester, sodium salt	26377-29-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorous acid, 2-(1,1-dimethylethyl)-4-[1-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-methylethyl]phenyl bis(4-nonylphenyl) ester.	20227-53-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Phosphorous acid, isoocetyl diphenyl ester	26401-27-4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Piperazineethanol	25154-38-5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Pitch, coal tar-petroleum	68187-57-5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Propane, 2,2-dimethoxy-	77-76-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Propanenitrile, 3-(dimethylamino)-	1738-25-6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-, monosodium salt.	52556-42-0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Propanoic acid, 2-bromo-	598-72-1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester.	22527-63-5 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
2-Propenoic acid, 2-carboxyethyl ester	24615-84-7 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Pyridine, hydrochloride	628-13-7	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-	2814-20-2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Solvent naphtha (coal)	65996-79-4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Sulfonic acids, petroleum	61789-85-3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tannins	1401-55-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tannins, reaction products with sodium bisulfite, sodium polysulfide and sodium sulfite.	72854-27-4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tar oils, coal	65996-82-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tar, coal, dried and oxidized	68918-16-1 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tar, coal, high-temp.	65996-89-6 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tar, coal, high-temp., high-solids	68990-61-4 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Terpenes and Terpenoids, C10-30, distn. residues	70084-98-9 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1-Tetracosanol	506-51-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Tetradecane, 1-chloro-	2425-54-9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro-	2691-41-0	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Thiazole, 4-methyl-	693-95-8	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Thiourea	62-56-6	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3,5-Triazine, hexahydro-1,3,5-trinitro-	121-82-4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

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1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)-	3779–63–3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl-	5915–41–3	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3,5-Triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)-	139–40–2	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
1,3,5-Triazine-2,4-diamine, 6-chloro-N-ethyl-N'(1-methylethyl)-	1912–24–9	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Urea, (hydroxymethyl)-	1000–82–4	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Urea, N'-(3,4-dichlorophenyl)-N,N-dimethyl-	330–54–1	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Urea, sulfate (1:1)	21351–39–3 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006
Urea, sulfate (2:1)	17103–31–0 ...	§ 716.21(a)(7)	September 29, 2006	November 28, 2006

[53 FR 38645, Sept. 30, 1988]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 716.120, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

EFFECTIVE DATE NOTE: At 59 FR 14115, Mar. 25, 1994, in § 716.120 paragraph (d), the chemical substances under the category “propylene glycol ethers and esters” and all related dates, were stayed effective March 25, 1994.

PART 717—RECORDS AND REPORTS OF ALLEGATIONS THAT CHEMICAL SUBSTANCES CAUSE SIGNIFICANT ADVERSE REACTIONS TO HEALTH OR THE ENVIRONMENT

Subpart A—General Provisions

Sec.

- 717.1 Scope and compliance.
- 717.3 Definitions.
- 717.5 Persons subject to this part.
- 717.7 Persons not subject to this part.
- 717.10 Allegations subject to this part.
- 717.12 Significant adverse reactions that must be recorded.
- 717.15 Recordkeeping requirements.
- 717.17 Inspection and reporting requirements.
- 717.19 Confidentiality.

AUTHORITY: 15 U.S.C. 2607(c).

SOURCE: 48 FR 38187, Aug. 22, 1983, unless otherwise noted.

Subpart A—General Provisions

§ 717.1 Scope and compliance.

Section 8 (c) of the Toxic Substances Control Act (TSCA) requires manufacturers, processors, and distributors of chemical substances and mixtures:

(a) To keep “records of significant adverse reactions to health or the envi-

ronment, as determined by the Administrator by rule, alleged to have been caused by the substance or mixture.”

(b) To “permit inspection and submit copies of such records”, upon request of any designated representative of the Administrator. This rule implements section 8(c) of TSCA. It describes the records to be kept and prescribes the conditions under which certain firms must submit or make the records available to a duly designated representative of the Administrator.

§ 717.3 Definitions.

The definitions set forth in section 3 of TSCA and the following definitions apply to this part:

(a) *Allegation* means a statement, made without formal proof or regard for evidence, that a chemical substance or mixture has caused a significant adverse reaction to health or the environment.

(b) *Firm* or *company* means any person, that is subject to this part, as defined in § 717.5.

(c)(1) *Known human effects* means a commonly recognized human health effect of a particular substance or mixture as described either in:

(i) Scientific articles or publications abstracted in standard reference sources.