

Table II. EPCRA Section 313 Chemical List For Reporting Year 2016 (including Toxic Chemical Categories)

Individually listed EPCRA Section 313 chemicals with CAS numbers are arranged alphabetically starting on page II-3. Following the alphabetical list, the EPCRA Section 313 chemicals are arranged in CAS number order. Covered chemical categories follow.

Note: Chemicals may be added to or deleted from the list. The Emergency Planning and Community Right-to-Know Call Center or the TRI-Listed Chemicals website will provide up-to-date information on the status of these changes. See section B.3.c of the instructions for more information on the *de minimis* % limits listed below. There are no *de minimis* levels for PBT chemicals since the *de minimis* exemption is not available for these chemicals (an asterisk appears where a *de minimis* limit would otherwise appear in Table II). However, for purposes of the supplier notification requirement only, such limits are provided in Appendix C.

Chemical Qualifiers

Certain EPCRA Section 313 chemicals listed in Table II have parenthetical “qualifiers.” These qualifiers indicate that these EPCRA Section 313 chemicals are subject to the section 313 reporting requirements if manufactured, processed, or otherwise used in a specific form or when a certain activity is performed. An EPCRA Section 313 chemical that is listed without a qualifier is subject to reporting in all forms in which it is manufactured, processed, and otherwise used. The following chemicals are reportable only if they are manufactured, processed, or otherwise used in the specific form(s) listed below:

Chemical/ Chemical Category	CAS Number	Qualifier
Aluminum (fume or dust)	7429-90-5	Only if it is a fume or dust form.
Aluminum oxide (fibrous forms)	1344-28-1	Only if it is a fibrous form.
Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)	7664-41-7	Only 10% of aqueous forms. 100% of anhydrous forms.
Asbestos (friable)	1332-21-4	Only if it is a friable form.
Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	7647-01-0	Only if it is an aerosol form as defined.
Nitrate compounds (water dissociable; reportable only when in aqueous solution)	NA	Only if in aqueous solution.
Phosphorus (yellow or white)	7723-14-0	Only if it is a yellow or white form.
Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	7664-93-9	Only if it is an aerosol form as defined.
Vanadium (except when contained in an alloy)	7440-62-2	Except if it is contained in an alloy.
Zinc (fume or dust)	7440-66-6	Only if it is in a fume or dust form.

The qualifier for the following three chemicals is based on the chemical activity rather than the form of the chemical. These chemicals are subject to EPCRA section 313 reporting requirements only when the indicated activity is performed.

Chemical/ Chemical Category	CAS Number	Qualifier
Dioxin and dioxin-like compounds (manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacture of that chemical.)	NA	Only if they are manufactured at the facility; or are processed or otherwise used when present as contaminants in a chemical but only if they were created during the manufacture of that chemical.
Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)	67-63-0	Only if it is being manufactured by the strong acid process. Facilities that process or otherwise use isopropyl alcohol are not covered and should not file a report.
Saccharin (only persons who manufacture are subject, no supplier notification)	81-07-2	Only if it is being manufactured.

Supplier Notification Implications

There are no supplier notification requirements for isopropyl alcohol and saccharin since the processors and users of these chemicals are not required to report. Manufacturers of these chemicals do not need to notify their customers that these are reportable EPCRA section 313 chemicals.

Qualifier Definitions

Fume or dust. Two of the metals on the list (aluminum and zinc) contain the qualifier “fume or dust.” Fume or dust refers to dry forms of these metals but does not refer to “wet” forms such as solutions or slurries. As explained in Section B.3.a of these instructions, the term manufacture includes the generation of an EPCRA Section 313 chemical as a byproduct or impurity. In such cases, a facility should determine if, for example, it generated more than 25,000 pounds of aluminum fume or dust in the reporting year as a result of its activities. If so, the facility must report that it manufactures “aluminum (fume or dust).” Similarly, there may be certain technologies in which one of these metals is processed in the form of a fume or dust to make other EPCRA Section 313 chemicals or other products for distribution in commerce. In reporting releases, the facility would only report releases of the fume or dust.

EPA considers dusts to consist of solid particles generated by any mechanical processing of materials including crushing, grinding, rapid impact, handling, detonation, and decrepitation of organic and inorganic materials such as rock, ore, and metal. Dusts do not tend to flocculate, except under electrostatic forces.

EPA considers a fume to be an airborne dispersion consisting of small solid particles created by condensation from a gaseous state, in distinction to a gas or vapor. Fumes arise from the heating of solids such as lead. The condensation is often accompanied by a chemical reaction, such as oxidation. Fumes flocculate and sometimes coalesce.

Manufacturing qualifiers. Two of the entries in the EPCRA Section 313 chemical list contain a qualifier relating to manufacture. For isopropyl alcohol, the qualifier is “only persons who manufacture by the strong acid process are subject, no supplier notification.” For saccharin, the qualifier is “only persons who manufacture are subject, no supplier notification.” For isopropyl alcohol, the qualifier means that only facilities manufacturing isopropyl alcohol by the strong acid process are required to report. In the case of saccharin, only manufacturers of the EPCRA Section 313 chemical are subject to the reporting requirements. A facility that only processes or otherwise uses either of these EPCRA Section 313 chemicals is not required to report for these EPCRA Section 313 chemicals. In both cases, supplier notification does not apply because only manufacturers, not users, of these two EPCRA Section 313 chemicals must report.

Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing). The qualifier for ammonia means that anhydrous forms of ammonia are 100% reportable and aqueous forms are limited to 10% of total aqueous ammonia. Therefore when determining threshold and releases and other waste management quantities all anhydrous ammonia is included but only 10% of total aqueous ammonia is included. Any evaporation of ammonia from aqueous ammonia solutions is considered anhydrous ammonia and should be included in threshold determinations and release and other waste management calculations.

Sulfuric acid and Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size). The qualifier for sulfuric acid and hydrochloric acid means that the only forms of these chemicals that are reportable are airborne forms. Aqueous solutions are not covered by this listing but any aerosols generated from aqueous solutions are covered.

Nitrate compounds (water dissociable; reportable only when in aqueous solution). The qualifier for the nitrate compounds category limits the reporting to nitrate compounds that dissociate in water, generating nitrate ion. For the purposes of threshold determinations the entire weight of the nitrate compound must be included in all calculations. For the purposes of reporting releases and other waste management quantities only the weight of the nitrate ion should be included in the calculations of these quantities.

Phosphorus (yellow or white). The listing for phosphorus is qualified by the term “yellow or white.” This means that only manufacturing, processing, or otherwise use of phosphorus in the yellow or white chemical form triggers reporting. Conversely, manufacturing, processing, or otherwise use of “black” or “red” phosphorus does not trigger reporting. Supplier notification also applies only to distribution of yellow or white phosphorus.

Asbestos (friable). The listing for asbestos is qualified by the term “friable,” referring to the physical characteristic of being able to be crumbled, pulverized, or reducible to a powder with hand pressure. Only manufacturing, processing, or otherwise use of asbestos in the friable form triggers reporting. Supplier notification applies only to distribution of mixtures or other trade name products containing friable asbestos.

Aluminum Oxide (fibrous forms). The listing for aluminum oxide is qualified by the term “fibrous forms.” Fibrous refers to a man-made form of aluminum oxide that is processed to produce strands or filaments which can be cut to various lengths depending on the application. Only manufacturing, processing, or otherwise use of aluminum oxide in the fibrous form triggers reporting. Supplier notification applies only to distribution of mixtures or other trade name products containing fibrous forms of aluminum oxide.

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Notes for Sections A and B of following list of TRI chemicals:

“Color Index” indicated by “C.I.”

* There are no *de minimis* levels for PBT chemicals, except for supplier notification purposes (see Appendix C).

a. Individually-Listed Toxic Chemicals Arranged Alphabetically

CAS Number	Chemical Name	De minimus % Limit
71751-41-2	Abamectin [Avermectin B1]	1.0
30560-19-1	Acephate (Acetylphosphoramidothioic acid O,S-dimethyl ester)	1.0
75-07-0	Acetaldehyde	0.1
60-35-5	Acetamide	0.1
75-05-8	Acetonitrile	1.0
98-86-2	Acetophenone	1.0
53-96-3	2-Acetylaminofluorene	0.1
62476-59-9	Acifluorfen, sodium salt [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt]	1.0
107-02-8	Acrolein	1.0
79-06-1	Acrylamide	0.1
79-10-7	Acrylic acid	1.0
107-13-1	Acrylonitrile	0.1
15972-60-8	Alachlor	1.0
116-06-3	Aldicarb	1.0
309-00-2	Aldrin [1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1.alpha.,4.alpha.,4a.beta.,5.alpha.,8.alpha.,8a.beta.)-]	*
28057-48-9	d-trans-Allethrin [d-trans-Chrysanthemic acid of d-allethrine]	1.0
107-18-6	Allyl alcohol	1.0
107-11-9	Allylamine	1.0
107-05-1	Allyl chloride	1.0
7429-90-5	Aluminum (fume or dust)	1.0
20859-73-8	Aluminum phosphide	1.0
1344-28-1	Aluminum oxide (fibrous forms)	1.0
834-12-8	Ametryn (N-Ethyl-N=-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-diamine)	1.0
117-79-3	2-Aminoanthraquinone	0.1
60-09-3	4-Aminoazobenzene	0.1
92-67-1	4-Aminobiphenyl	0.1
82-28-0	1-Amino-2-methylantraquinone	0.1
81-49-2	1-Amino-2,4-dibromoanthraquinone	0.1

CAS Number	Chemical Name	De minimus % Limit
33089-61-1	Amitraz	1.0
61-82-5	Amitrole	0.1
7664-41-7	Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)	1.0
101-05-3	Anilazine [4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine]	1.0
62-53-3	Aniline	1.0
90-04-0	o-Anisidine	0.1
104-94-9	p-Anisidine	1.0
134-29-2	o-Anisidine hydrochloride	0.1
120-12-7	Anthracene	1.0
7440-36-0	Antimony	1.0
7440-38-2	Arsenic	0.1
1332-21-4	Asbestos (friable)	0.1
1912-24-9	Atrazine (6-Chloro-N-ethyl-N=-(1-methylethyl)-1,3,5-triazine-2,4-diamine)	1.0
7440-39-3	Barium	1.0
22781-23-3	Bendiocarb [2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate]	1.0
1861-40-1	Benfluralin (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)	1.0
17804-35-2	Benomyl	1.0
98-87-3	Benzal chloride	1.0
55-21-0	Benzamide	1.0
71-43-2	Benzene	0.1
92-87-5	Benzidine	0.1
98-07-7	Benzoic trichloride (Benzotrichloride)	0.1
191-24-2	Benzo(g,h,i)perylene	*
98-88-4	Benzoyl chloride	1.0
94-36-0	Benzoyl peroxide	1.0
100-44-7	Benzyl chloride	1.0
7440-41-7	Beryllium	0.1
82657-04-3	Bifenthrin	1.0
92-52-4	Biphenyl	1.0
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	0.1
111-91-1	Bis(2-chloroethoxy) methane	1.0
111-44-4	Bis(2-chloroethyl) ether	1.0
542-88-1	Bis(chloromethyl) ether	0.1
108-60-1	Bis(2-chloro-1-methylethyl)ether	1.0
56-35-9	Bis(tributyltin) oxide	1.0
10294-34-5	Boron trichloride	1.0
7637-07-2	Boron trifluoride	1.0

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314-40-9	Bromacil (5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione)	1.0	57-74-9	Chlordane [4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-]	*
53404-19-6	Bromacil, lithium salt [2,4(1H,3H)-Pyrimidinedione,5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]	1.0	115-28-6	Chlorendic acid	0.1
7726-95-6	Bromine	1.0	90982-32-4	Chlorimuron ethyl [Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-yl)amino]carbonyl]amino]sulfonyl] benzoate]	1.0
35691-65-7	1-Bromo-1-(bromomethyl)-propanedicarbonitrile	1.0	7782-50-5	Chlorine	1.0
353-59-3	Bromochlorodifluoromethane (Halon 1211)	1.0	10049-04-4	Chlorine dioxide	1.0
75-25-2	Bromoform (Tribromomethane)	1.0	79-11-8	Chloroacetic acid	1.0
74-83-9	Bromomethane (Methyl bromide)	1.0	532-27-4	2-Chloroacetophenone	1.0
75-63-8	Bromotrifluoromethane (Halon 1301)	1.0	4080-31-3	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	1.0
1689-84-5	Bromoxynil (3,5-Dibromo-4-hydroxybenzonitrile)	1.0	106-47-8	p-Chloroaniline	0.1
1689-99-2	Bromoxynil octanoate (Octanoic acid, 2,6-dibromo-4-cyanophenylester)	1.0	108-90-7	Chlorobenzene	1.0
106-94-5	1-Bromopropane	0.1	510-15-6	Chlorobenzilate [Benzeneacetic acid, 4-chloro-.alpha.- (4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester]	1.0
357-57-3	Brucine	1.0	75-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)	1.0
106-99-0	1,3-Butadiene	0.1	75-45-6	Chlorodifluoromethane (HCFC-22)	1.0
141-32-2	Butyl acrylate	1.0	75-00-3	Chloroethane (Ethyl chloride)	1.0
71-36-3	n-Butyl alcohol	1.0	67-66-3	Chloroform	0.1
78-92-2	sec-Butyl alcohol	1.0	74-87-3	Chloromethane (Methyl chloride)	1.0
75-65-0	tert-Butyl alcohol	1.0	107-30-2	Chloromethyl methyl ether	0.1
106-88-7	1,2-Butylene oxide	0.1	563-47-3	3-Chloro-2-methyl-1-propene	0.1
123-72-8	Butyraldehyde	1.0	104-12-1	p-Chlorophenyl isocyanate	1.0
7440-43-9	Cadmium	0.1	76-06-2	Chloropicrin	1.0
156-62-7	Calcium cyanamide	1.0	126-99-8	Chloroprene	0.1
133-06-2	Captan [1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-]	1.0	542-76-7	3-Chloropropionitrile	1.0
63-25-2	Carbaryl [1-Naphthalenol, methylcarbamate]	1.0	63938-10-3	Chlorotetrafluoroethane	1.0
1563-66-2	Carbofuran	1.0	354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	1.0
75-15-0	Carbon disulfide	1.0	2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	1.0
56-23-5	Carbon tetrachloride	0.1	1897-45-6	Chlorothalonil [1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-]	0.1
463-58-1	Carbonyl sulfide	1.0	95-69-2	p-Chloro-o-toluidine	0.1
5234-68-4	Carboxin (5,6-Dihydro-2-methyl-N- phenyl-1,4-oxathiin-3-carboxamide)	1.0	75-88-7	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	1.0
120-80-9	Catechol	0.1	75-72-9	Chlorotrifluoromethane (CFC-13)	1.0
2439-01-2	Chinomethionat [6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one]	1.0	460-35-5	3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)	1.0
133-90-4	Chloramben [Benzoic acid, 3-amino-2,5-dichloro-]	1.0	5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]	1.0

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
64902-72-3	Chlorsulfuron [2-Chloro-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl] benzenesulfonamide]	1.0	53404-60-7	Dazomet, sodium salt [Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium]	1.0
7440-47-3	Chromium	1.0	94-82-6	2,4-DB	1.0
4680-78-8	C.I. Acid Green 3	1.0	1929-73-3	2,4-D butoxyethyl ester	0.1
6459-94-5	C.I. Acid Red 114	0.1	94-80-4	2,4-D butyl ester	0.1
569-64-2	C.I. Basic Green 4	1.0	2971-38-2	2,4-D chlorocrotyl ester	0.1
989-38-8	C.I. Basic Red 1	1.0	1163-19-5	Decabromodiphenyl oxide	1.0
1937-37-7	C.I. Direct Black 38	0.1	13684-56-5	Desmedipham	1.0
2602-46-2	C.I. Direct Blue 6	0.1	1928-43-4	2,4-D 2-ethylhexyl ester	0.1
28407-37-6	C.I. Direct Blue 218	1.0	53404-37-8	2,4-D 2-ethyl-4- methylpentyl ester	0.1
16071-86-6	C.I. Direct Brown 95	0.1	2303-16-4	Diallate [Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl) ester]	1.0
2832-40-8	C.I. Disperse Yellow 3	1.0	615-05-4	2,4-Diaminoanisole	0.1
3761-53-3	C.I. Food Red 5	0.1	39156-41-7	2,4-Diaminoanisole sulfate	0.1
81-88-9	C.I. Food Red 15	1.0	101-80-4	4,4'-Diaminodiphenyl ether	0.1
3118-97-6	C.I. Solvent Orange 7	1.0	95-80-7	2,4-Diaminotoluene	0.1
97-56-3	C.I. Solvent Yellow 3	0.1	25376-45-8	Diaminotoluene (mixed isomers)	0.1
842-07-9	C.I. Solvent Yellow 14	1.0	333-41-5	Diazinon	1.0
492-80-8	C.I. Solvent Yellow 34 (Auramine)	0.1	334-88-3	Diazomethane	1.0
128-66-5	C.I. Vat Yellow 4	1.0	132-64-9	Dibenzofuran	1.0
7440-48-4	Cobalt	0.1	96-12-8	1,2-Dibromo-3- chloropropane (DBCP)	0.1
7440-50-8	Copper	1.0	106-93-4	1,2-Dibromoethane (Ethylene dibromide)	0.1
8001-58-9	Creosote	0.1	124-73-2	Dibromotetrafluoroethane (Halon 2402)	1.0
120-71-8	p-Cresidine	0.1	84-74-2	Dibutyl phthalate	1.0
108-39-4	m-Cresol	1.0	1918-00-9	Dicamba (3,6-Dichloro-2-methoxybenzoic acid)	1.0
95-48-7	o-Cresol	1.0	99-30-9	Dichloran [2,6-Dichloro-4-nitroaniline]	1.0
106-44-5	p-Cresol	1.0	95-50-1	1,2-Dichlorobenzene	1.0
1319-77-3	Cresol (mixed isomers)	1.0	541-73-1	1,3-Dichlorobenzene	1.0
4170-30-3	Crotonaldehyde	1.0	106-46-7	1,4-Dichlorobenzene	0.1
98-82-8	Cumene	1.0	25321-22-6	Dichlorobenzene (mixed isomers)	0.1
80-15-9	Cumene hydroperoxide	1.0	91-94-1	3,3'-Dichlorobenzidine	0.1
135-20-6	[Benzeneamine, N-hydroxy- N-nitroso, ammonium salt]	0.1	612-83-9	3,3'-Dichlorobenzidine dihydrochloride	0.1
21725-46-2	Cyanazine	1.0	64969-34-2	3,3'-Dichlorobenzidine sulfate	0.1
1134-23-2	Cycloate	1.0	75-27-4	Dichlorobromomethane	0.1
110-82-7	Cyclohexane	1.0	764-41-0	1,4-Dichloro-2-butene	1.0
108-93-0	Cyclohexanol	1.0	110-57-6	trans-1,4-Dichloro-2-butene	1.0
68359-37-5	Cyfluthrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl) methyl ester]	1.0	1649-08-7	1,2-Dichloro-1,1- difluoroethane (HCFC-132b)	1.0
68085-85-8	Cyhalothrin [3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane-carboxylic acid cyano(3-phenoxyphenyl)methyl ester]	1.0	75-71-8	Dichlorodifluoromethane (CFC-12)	1.0
94-75-7	2,4-D [Acetic acid, (2,4-dichlorophenoxy)-]	0.1	107-06-2	1,2-Dichloroethane (Ethylene dichloride)	0.1
533-74-4	Dazomet (Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)	1.0	540-59-0	1,2-Dichloroethylene	1.0
			1717-00-6	1,1-Dichloro-1-fluoroethane (HCFC-141b)	1.0

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75-43-4	Dichlorofluoromethane (HCFC-21)	1.0	115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha	1.0
75-09-2	Dichloromethane (Methylene chloride)	0.1	77-73-6	Dicyclopentadiene	1.0
127564-92-5	Dichloropentafluoropropane	1.0	1464-53-5	Diepoxybutane	0.1
13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)	1.0	111-42-2	Diethanolamine	1.0
111512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	1.0	38727-55-8	Diethyl ethyl	1.0
422-44-6	1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)	1.0	117-81-7	Di(2-ethylhexyl) phthalate (DEHP)	0.1
431-86-7	1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)	1.0	64-67-5	Diethyl sulfate	0.1
507-55-1	1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	1.0	35367-38-5	Diflubenzuron	1.0
136013-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	1.0	101-90-6	Diglycidyl resorcinol ether	0.1
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	1.0	94-58-6	Dihydrosafrole	0.1
422-48-0	pentafluoropropane (HCFC-225ba)	1.0	55290-64-7	Dimethipin [2,3-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide]	1.0
422-56-0	3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	1.0	60-51-5	Dimethoate	1.0
97-23-4	Dichlorophene [2,2'-Methylenebis(4-chlorophenol)]	1.0	119-90-4	3,3'-Dimethoxybenzidine	0.1
120-83-2	2,4-Dichlorophenol	1.0	20325-40-0	3,3'-Dimethoxybenzidine dihydrochloride (o-Dianisidine dihydrochloride)	0.1
78-87-5	1,2-Dichloropropane	1.0	111984-09-9	3,3'-Dimethoxybenzidine hydrochloride (o-Dianisidine hydrochloride)	0.1
10061-02-6	trans-1,3-Dichloropropene	0.1	124-40-3	Dimethylamine	1.0
78-88-6	2,3-Dichloropropene	1.0	2300-66-5	Dimethylamine dicamba	1.0
542-75-6	1,3-Dichloropropylene	0.1	60-11-7	4-Dimethylaminoazobenzene	0.1
76-14-2	Dichlorotetrafluoroethane (CFC-114)	1.0	121-69-7	N,N-Dimethylaniline	1.0
34077-87-7	Dichlorotrifluoroethane	1.0	119-93-7	3,3'-Dimethylbenzidine (o-Tolidine)	0.1
90454-18-5	Dichloro-1,1,2-trifluoroethane	1.0	612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)	0.1
812-04-4	1,1-Dichloro-1,2,2- trifluoroethane (HCFC-123b)	1.0	41766-75-0	3,3'-Dimethylbenzidine dihydrofluoride (o-Tolidine dihydrofluoride)	0.1
354-23-4	1,2-Dichloro-1,1,2- trifluoroethane (HCFC-123a)	1.0	79-44-7	Dimethylcarbanyl chloride	0.1
306-83-2	2,2-Dichloro-1,1,1- trifluoroethane (HCFC-123)	1.0	2524-03-0	Dimethyl chlorothiophosphate	1.0
62-73-7	Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]	0.1	68-12-2	N,N-Dimethylformamide	1.0
51338-27-3	Diclofop methyl [2-[4-(2,4-Dichlorophenoxy)phenoxy]propanoic acid, methyl ester]	1.0	57-14-7	1,1-Dimethyl hydrazine	0.1
			105-67-9	2,4-Dimethylphenol	1.0
			131-11-3	Dimethyl phthalate	1.0
			77-78-1	Dimethyl sulfate	0.1
			99-65-0	m-Dinitrobenzene	1.0
			528-29-0	o-Dinitrobenzene	1.0
			100-25-4	p-Dinitrobenzene	1.0
			88-85-7	Dinitrobutyl phenol (Dinoseb)	1.0
			534-52-1	4,6-Dinitro-o-cresol	1.0
			51-28-5	2,4-Dinitrophenol	1.0
			121-14-2	2,4-Dinitrotoluene	0.1
			606-20-2	2,6-Dinitrotoluene	0.1
			25321-14-6	Dinitrotoluene (mixed isomers)	1.0
			39300-45-3	Dinocap	1.0
			123-91-1	1,4-Dioxane	0.1
			957-51-7	Diphenamid	1.0
			122-39-4	Diphenylamine	1.0

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
122-66-7	1,2-Diphenylhydrazine (Hydrazobenzene)	0.1	55-38-9	Fenthion [O,O-Dimethyl O-[3-methyl-4-(methylthio)phenyl] ester, phosphorothioic acid]	1.0
2164-07-0	Dipotassium endothall [7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt]	1.0	51630-58-1	Fenvalerate [4-Chloro-alpha-(1-methylethyl) benzeneacetic acid cyano (3-phenoxyphenyl) methyl ester]	1.0
136-45-8	Dipropyl isocinchomeronate	1.0	14484-64-1	Ferbam [Tris(dimethylcarbamodithioato-S,S')iron]	1.0
138-93-2	Disodium cyanodithioimidocarbonate	1.0	69806-50-4	Fluazifop butyl [2-[4-[[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, butyl ester]	1.0
94-11-1	2,4-D isopropyl ester	0.1	2164-17-2	Fluometuron [Urea, N,N-dimethyl-N=-[3-(trifluoromethyl)phenyl]-]	1.0
541-53-7	2,4-Dithiobiuret	1.0	7782-41-4	Fluorine	1.0
330-54-1	Diuron	1.0	51-21-8	Fluorouracil (5-Fluorouracil)	1.0
2439-10-3	Dodine [Dodecylguanidine monoacetate]	1.0	69409-94-5	Fluvalinate [N-[2-Chloro-4-(trifluoromethyl)phenyl]-DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester]	1.0
120-36-5	2,4-DP	0.1	133-07-3	Folpet	1.0
1320-18-9	2,4-D propylene glycol butyl ether ester	0.1	72178-02-0	Fomesafen [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl-2-nitrobenzamide]	1.0
2702-72-9	2,4-D sodium salt	0.1	50-00-0	Formaldehyde	0.1
106-89-8	Epichlorohydrin	0.1	64-18-6	Formic acid	1.0
13194-48-4	Ethoprop [Phosphorodithioic acid O-ethyl S,S-dipropyl ester]	1.0	76-13-1	Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]	1.0
110-80-5	2-Ethoxyethanol	1.0	110-00-9	Furan	0.1
140-88-5	Ethyl acrylate	0.1	556-52-5	Glycidol	0.1
100-41-4	Ethylbenzene	0.1	76-44-8	Heptachlor [1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene]	*
541-41-3	Ethyl chloroformate	1.0	118-74-1	Hexachlorobenzene	*
759-94-4	Ethyl dipropylthiocarbamate (EPTC)	1.0	87-68-3	Hexachloro-1,3-butadiene	1.0
74-85-1	Ethylene	1.0	319-84-6	alpha-Hexachlorocyclohexane	0.1
107-21-1	Ethylene glycol	1.0	77-47-4	Hexachlorocyclopentadiene	1.0
151-56-4	Ethyleneimine (Aziridine)	0.1	67-72-1	Hexachloroethan	0.1
75-21-8	Ethylene oxide	0.1	1335-87-1	Hexachloronaphthalene	1.0
96-45-7	Ethylene thiourea	0.1	70-30-4	Hexachlorophene	1.0
75-34-3	Ethylidene dichloride	1.0	680-31-9	Hexamethylphosphoramide	0.1
52-85-7	Famphur	1.0	110-54-3	n-Hexane	1.0
60168-88-9	Fenarimol [.alpha.-(2-Chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanol]	1.0	51235-04-2	Hexazinone	1.0
13356-08-6	Fenbutatin oxide (Hexakis(2-methyl-2-phenylpropyl) distannoxane)	1.0	67485-29-4	Hydramethylnon [Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone]	1.0
66441-23-4	Fenoxaprop ethyl [2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)prop anoic acid, ethyl ester]	1.0			
72490-01-8	Fenoxycarb [[2-(4-Phenoxyphenoxy)ethyl]carbamic acid ethyl ester]	1.0			
39515-41-8	Fenpropathrin [2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester]	1.0			

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
302-01-2	Hydrazine	0.1	137-42-8	Metham sodium (Sodium methylthiocarbamate)	1.0
10034-93-2	Hydrazine sulfate	0.1	67-56-1	Methanol	1.0
7647-01-0	Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1.0	20354-26-1	Methazole [2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]	1.0
74-90-8	Hydrogen cyanide	1.0	2032-65-7	Methiocarb	1.0
7664-39-3	Hydrogen fluoride	1.0	94-74-6	Methoxone ((4-Chloro-2-methylphenoxy) acetic acid) (MCPA)	0.1
7783-06-4	Hydrogen sulfide	1.0	3653-48-3	Methoxone sodium salt ((4-Chloro-2-methylphenoxy) acetate sodium salt)	0.1
123-31-9	Hydroquinone	1.0	72-43-5	Methoxychlor [Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]]	*
35554-44-0	Imazalil [1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole]	1.0	109-86-4	2-Methoxyethanol	1.0
55406-53-6	3-Iodo-2-propynyl butylcarbamate	1.0	96-33-3	Methyl acrylate	1.0
13463-40-6	Iron pentacarbonyl	1.0	1634-04-4	Methyl tert-butyl ether	1.0
78-84-2	Isobutyraldehyde	1.0	79-22-1	Methyl chlorocarbonate	1.0
465-73-6	Isodrin	*	101-14-4	4,4'-Methylenebis(2-chloroaniline) (MBOCA)	0.1
25311-71-1	Isofenphos[2-[[Ethoxy]([1-methylethyl)amino]phosphinothioyl]oxy] benzoic acid 1-methylethyl ester]	1.0	101-61-1	4,4'-Methylenebis(N,N-dimethyl) benzenamine	0.1
78-79-5	Isoprene	0.1	74-95-3	Methylene bromide	1.0
67-63-0	Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)	1.0	101-77-9	4,4'-Methylenedianiline	0.1
80-05-7	4,4'-Isopropylidenediphenol	1.0	93-15-2	Methyleugenol	0.1
120-58-1	Isosafrole	1.0	60-34-4	Methyl hydrazine	1.0
77501-63-4	[Benzoic acid, 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester]	1.0	74-88-4	Methyl iodide	1.0
7439-92-1	Lead (when lead is contained in stainless steel, brass or bronze alloys the <i>de minimis</i> level is 0.1)	*	108-10-1	Methyl isobutyl ketone	1.0
58-89-9	Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha., 6.beta.)-]	0.1	624-83-9	Methyl isocyanate	1.0
330-55-2	Linuron	1.0	556-61-6	Methyl isothiocyanate [Isothiocyanatomethane]	1.0
554-13-2	Lithium carbonate	1.0	75-86-5	2-Methylacetonitrile	1.0
121-75-5	Malathion	1.0	80-62-6	Methyl methacrylate	1.0
108-31-6	Maleic anhydride	1.0	924-42-5	N-Methylolacrylamide	1.0
109-77-3	Malononitrile	1.0	298-00-0	Methyl parathion	1.0
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediyldis-, manganese complex]	1.0	109-06-8	2-Methylpyridine	1.0
7439-96-5	Manganese	1.0	872-50-4	N-Methyl-2-pyrrolidone	1.0
93-65-2	Mecoprop	0.1	9006-42-2	Metiram	1.0
149-30-4	2-Mercaptobenzothiazole (MBT)	1.0	21087-64-9	Metribuzin	1.0
7439-97-6	Mercury	*	7786-34-7	Mevinphos	1.0
150-50-5	Merphos	1.0	90-94-8	Michler's ketone	0.1
126-98-7	Methacrylonitrile	1.0	2212-67-1	Molinate (1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester)	1.0
			1313-27-5	Molybdenum trioxide	1.0
			76-15-3	(CFC-115)	1.0
			150-68-5	Monuron	1.0
			505-60-2	[Ethane, 1,1'-thiobis[2-chloro-]]	0.1
			88671-89-0	Myclobutanil [.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile]	1.0
			142-59-6	Nabam	1.0
			300-76-5	Naled	1.0

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
91-20-3	Naphthalene	0.1	19666-30-9	Oxydiazon	1.0
134-32-7	alpha-Naphthylamine	0.1		[3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one]	
91-59-8	beta-Naphthylamine	0.1	42874-03-3	Oxyfluorfen	1.0
7440-02-0	Nickel	0.1	10028-15-6	Ozone	1.0
1929-82-4	Nitrapyrin (2-Chloro-6-(trichloromethyl)pyridine)	1.0	123-63-7	Paraldehyde	1.0
7697-37-2	Nitric acid	1.0	1910-42-5	Paraquat dichloride	1.0
139-13-9	Nitrioltriacetic acid	0.1	56-38-2	Parathion [Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl)ester]	1.0
100-01-6	p-Nitroaniline	1.0	1114-71-2	Pebulate [Butylethylcarbamoithioic acid S-propyl ester]	1.0
91-23-6	o-Nitroanisole	0.1	40487-42-1	Pendimethalin [N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine]	*
99-59-2	5-Nitro-o-anisidine	1.0	608-93-5	Pentachlorobenzene	*
98-95-3	Nitrobenzene	0.1	76-01-7	Pentachloroethane	1.0
92-93-3	4-Nitrobiphenyl	0.1	87-86-5	Pentachlorophenol (PCP)	0.1
1836-75-5	Nitrofen [Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]	0.1	57-33-0	Pentobarbital sodium	1.0
51-75-2	Nitrogen mustard [2-Chloro-N-(2-chloroethyl)-N-methylethanamine]	0.1	79-21-0	Peracetic acid	1.0
55-63-0	Nitroglycerin	1.0	594-42-3	Perchloromethyl mercaptan	1.0
75-52-5	Nitromethane	0.1	52645-53-1	Permethrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, (3-phenoxyphenyl) methyl ester]	1.0
88-75-5	2-Nitrophenol	1.0	85-01-8	Phenanthrene	1.0
100-02-7	4-Nitrophenol	1.0	108-95-2	Phenol	1.0
79-46-9	2-Nitropropane	0.1	77-09-8	Phenolphthalein	0.1
924-16-3	N-Nitrosodi-n-butylamine	0.1	26002-80-2	Phenothrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]	1.0
55-18-5	N-Nitrosodiethylamine	0.1	95-54-5	1,2-Phenylenediamine	1.0
62-75-9	N-Nitrosodimethylamine	0.1	108-45-2	1,3-Phenylenediamine	1.0
86-30-6	N-Nitrosodiphenylamine	1.0	106-50-3	p-Phenylenediamine	1.0
156-10-5	p-Nitrosodiphenylamine	1.0	615-28-1	1,2-Phenylenediamine dihydrochloride	1.0
621-64-7	N-Nitrosodi-n-propylamine	0.1	624-18-0	1,4-Phenylenediamine dihydrochloride	1.0
759-73-9	N-Nitroso-N-ethylurea	0.1	90-43-7	2-Phenylphenol	1.0
684-93-5	N-Nitroso-N-methylurea	0.1	57-41-0	Phenytoln	0.1
4549-40-0	N-Nitrosomethylvinylamine	0.1	75-44-5	Phosgene	1.0
59-89-2	N-Nitrosomorpholine	0.1	7803-51-2	Phosphine	1.0
16543-55-8	N-Nitrosornicotine	0.1	7723-14-0	Phosphorus (yellow or white)	1.0
100-75-4	N-Nitrosopiperidine	0.1	85-44-9	Phthalic anhydride	1.0
88-72-2	o-Nitrotoluene	0.1	1918-02-1	Picloram	1.0
99-55-8	5-Nitro-o-toluidine	1.0	88-89-1	Picric acid	1.0
27314-13-2	Norflurazon [4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone]	1.0	51-03-6	Piperonyl butoxide	1.0
2234-13-1	Octachloronaphthalene	1.0	29232-93-7	Pirimiphos methyl [O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethylphosphorothioate]	1.0
29082-74-4	Octachlorostyrene	*			
19044-88-3	Oryzalin [4-(Dipropylamino)-3,5-dinitrobenzene sulfonamide]	1.0			
20816-12-0	Osmium tetroxide	1.0			
301-12-2	Oxydemeton methyl [S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid]	1.0			

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
1336-36-3	Polychlorinated biphenyls (PCBs)	*	94-59-7	Safrole	0.1
7758-01-2	Potassium bromate	0.1	7782-49-2	Selenium	1.0
128-03-0	Potassium dimethyldithiocarbamate	1.0	74051-80-2	Sethoxydim [2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxyl-2-cyclohexen-1-one]	1.0
137-41-7	Potassium N-methyldithiocarbamate	1.0	7440-22-4	Silver	1.0
41198-08-7	Profenofos [O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate]	1.0	122-34-9	Simazine	1.0
7287-19-6	Prometryn [N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]	1.0	26628-22-8	Sodium azide	1.0
23950-58-5	Pronamide	1.0	1982-69-0	Sodium dicamba [3,6-Dichloro-2-methoxybenzoic acid, sodium salt]	1.0
1918-16-7	Propachlor [2-Chloro-N-(1-methylethyl)-N-phenylacetamide]	1.0	128-04-1	Sodium dimethyldithiocarbamate	1.0
1120-71-4	Propane sultone	0.1	62-74-8	Sodium fluoroacetate	1.0
709-98-8	[N-(3,4-Dichlorophenyl)propanamide]	1.0	7632-00-0	Sodium nitrite	1.0
2312-35-8	Propargite	1.0	131-52-2	Sodium pentachlorophenate	1.0
107-19-7	Propargyl alcohol	1.0	132-27-4	Sodium o-phenylphenoxide	0.1
31218-83-4	Propetamphos [3-[(Ethylamino)methoxyphosphinothioyl]oxy]-2-butenic acid, 1-methylethyl ester]	1.0	100-42-5	Styrene	0.1
60207-90-1	Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4-triazole]	1.0	96-09-3	Styrene oxide	0.1
57-57-8	beta-Propiolactone	0.1	7664-93-9	Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1.0
123-38-6	Propionaldehyde	1.0	2699-79-8	Sulfuryl fluoride (Vikane)	1.0
114-26-1	Propoxur [Phenol, 2-(1-methylethoxy)-, methylcarbamate]	1.0	35400-43-2	Sulprofos [O-Ethyl O-[4-(methylthio)phenyl]phosphorodithioic acid S-propylester]	1.0
115-07-1	Propylene (Propene)	1.0	34014-18-1	Tebuthiuron [N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea]	1.0
75-55-8	Propyleneimine	0.1	3383-96-8	Temephos	1.0
75-56-9	Propylene oxide	0.1	5902-51-2	Terbacil [5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]	1.0
110-86-1	Pyridine	1.0	79-94-7	Tetrabromobisphenol A	*
91-22-5	Quinoline	1.0	630-20-6	1,1,1,2-Tetrachloroethane	1.0
106-51-4	Quinone	1.0	79-34-5	1,1,2,2-Tetrachloroethane	1.0
82-68-8	Quintozene (Pentachloronitrobenzene)	1.0	127-18-4	Tetrachloroethylene (Perchloroethylene)	0.1
76578-14-8	Quizalofop-ethyl [2-[4-[(6-Chloro-2-quinoxalinyloxy)phenoxy]propanoic acid ethyl ester]	1.0	354-11-0	1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)	1.0
10453-86-8	Resmethrin [[5-(Phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]	1.0	354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)	1.0
81-07-2	Saccharin (only persons who manufacture are subject, no supplier notification)	1.0	961-11-5	Tetrachlorvinphos [Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl) ethenyl dimethyl ester]	1.0
			64-75-5	Tetracycline hydrochloride	1.0
			116-14-3	Tetrafluoroethylene	0.1
			509-14-8	Tetranitromethane	0.1

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7696-12-0	Tetramethrin [2,2-Dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester]	1.0
7440-28-0	Thallium	1.0
148-79-8	Thiabendazole [2-(4-Thiazolyl)-1H-benzimidazole]	1.0
62-55-5	Thioacetamide	0.1
28249-77-6	Thiobencarb [Carbamic acid, diethylthio-, S-(p-chlorobenzyl)ester]	1.0
139-65-1	4,4'-Thiodianiline	0.1
59669-26-0	Thiodicarb	1.0
23564-06-9	Thiophanate ethyl [[1,2-Phenylenebis(iminocarbonothioyl) biscarbamic acid diethylester]	1.0
23564-05-8	Thiophanate methyl	1.0
79-19-6	Thiosemicarbazide	1.0
62-56-6	Thiourea	0.1
137-26-8	Thiram	1.0
1314-20-1	Thorium dioxide	1.0
7550-45-0	Titanium tetrachloride	1.0
108-88-3	Toluene	1.0
584-84-9	Toluene-2,4-diisocyanate	0.1
91-08-7	Toluene-2,6-diisocyanate	0.1
26471-62-5	Toluene diisocyanate (mixed isomers)	0.1
95-53-4	o-Toluidine	0.1
636-21-5	o-Toluidine hydrochloride	0.1
8001-35-2	Toxaphene	*
43121-43-3	Triadimefon [1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]	1.0
2303-17-5	Triallate	1.0
68-76-8	Triaziquone [2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]	1.0
101200-48-0	Tribenuron methyl [2-[[[(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino]-carbonyl]amino]sulfonyl] benzoic acid methyl ester]	1.0
1983-10-4	Tributyltin fluoride	1.0
2155-70-6	Tributyltin methacrylate	1.0
78-48-8	S,S,S-Tributyltrithio- phosphate (DEF)	1.0
52-68-6	Trichlorfon [Phosphoric acid,(2,2,2-trichloro-1-hydroxy-ethyl)-, dimethyl ester]	1.0
76-02-8	Trichloroacetyl chloride	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0

CAS Number	Chemical Name	De minimus % Limit
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1.0
79-00-5	1,1,2-Trichloroethane	1.0
79-01-6	Trichloroethylene	0.1
75-69-4	Trichlorofluoromethane (CFC-11)	1.0
95-95-4	2,4,5-Trichlorophenol	1.0
88-06-2	2,4,6-Trichlorophenol	0.1
96-18-4	1,2,3-Trichloropropane	0.1
57213-69-1	Triclopyr triethylammonium salt	1.0
121-44-8	Triethylamine	1.0
1582-09-8	Trifluralin	*
26644-46-2	[Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-] Triforine	1.0
95-63-6	[N,N'-[1,4-Piperazinediylbis-(2,2,2-trichloroethylidene)]bisformamide]	1.0
2655-15-4	1,2,4-Trimethylbenzene	1.0
639-58-7	2,3,5-Trimethylphenyl methylcarbamate	1.0
76-87-9	Triphenyltin chloride	1.0
126-72-7	Triphenyltin hydroxide	1.0
72-57-1	Tris(2,3-dibromopropyl) phosphate	0.1
51-79-6	Trypan blue	0.1
7440-62-2	Urethane (Ethyl carbamate)	1.0
50471-44-8	Vanadium (except when contained in an alloy)	1.0
108-05-4	Vinclozolin [3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolinedione]	1.0
593-60-2	Vinyl acetate	0.1
75-01-4	Vinyl bromide	0.1
75-02-5	Vinyl chloride	0.1
75-35-4	Vinyl fluoride	0.1
108-38-3	Vinylidene chloride	1.0
95-47-6	m-Xylene	1.0
106-42-3	o-Xylene	1.0
1330-20-7	p-Xylene	1.0
87-62-7	Xylene (mixed isomers)	1.0
7440-66-6	2,6-Xylidine	0.1
12122-67-7	Zinc (fume or dust)	1.0
	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]	1.0

b. Individually Listed Toxic Chemicals Arranged by CAS Number

CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>		
50-00-0	Formaldehyde	0.1
51-03-6	Piperonyl butoxide	1.0
51-21-8	Fluorouracil (5-Fluorouracil)	1.0

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>			<i>Arranged by CAS Number</i>		
51-28-5	2,4-Dinitrophenol	1.0	67-63-0	Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)	1.0
51-75-2	Nitrogen mustard [2-Chloro-N-(2-chloroethyl)-N-methylethanamine]	0.1	67-66-3	Chloroform	0.1
51-79-6	Urethane (Ethyl carbamate)	0.1	67-72-1	Hexachloroethane	0.1
52-68-6	Trichlorfon [Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-, dimethyl ester]	1.0	68-12-2	N,N-Dimethylformamide	1.0
52-85-7	Famphur	1.0	68-76-8	Triaziquone [2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]	1.0
53-96-3	2-Acetylaminofluorene	0.1	70-30-4	Hexachlorophene	1.0
55-18-5	N-Nitrosodiethylamine	0.1	71-36-3	n-Butyl alcohol	1.0
55-21-0	Benzamide	1.0	71-43-2	Benzene	0.1
55-38-9	Fenthion [O,O-Dimethyl O-[3-methyl-4-(methylthio)phenyl] ester, phosphorothioic acid]	1.0	71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1.0
55-63-0	Nitroglycerin	1.0	72-43-5	Methoxychlor [Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]]	*
56-23-5	Carbon tetrachloride	0.1	72-57-1	Trypan blue	0.1
56-35-9	Bis(tributyltin) oxide	1.0	74-83-9	Bromomethane (Methyl bromide)	1.0
56-38-2	Parathion [Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester]	1.0	74-85-1	Ethylene	1.0
57-14-7	1,1-Dimethylhydrazine	0.1	74-87-3	Chloromethane (Methyl chloride)	1.0
57-33-0	Pentobarbital sodium	1.0	74-88-4	Methyl iodide	1.0
57-41-0	Phenytoin	0.1	74-90-8	Hydrogen cyanide	1.0
57-57-8	beta-Propiolactone	0.1	74-95-3	Methylene bromide	1.0
57-74-9	Chlordane [4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-]	*	75-00-3	Chloroethane (Ethyl chloride)	1.0
58-89-9	[Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-]	0.1	75-01-4	Vinyl chloride	0.1
59-89-2	N-Nitrosomorpholine	0.1	75-02-5	Vinyl fluoride	0.1
60-09-3	4-Aminoazobenzene	0.1	75-05-8	Acetonitrile	1.0
60-11-7	4-Dimethylaminoazobenzene	0.1	75-07-0	Acetaldehyde	0.1
60-34-4	Methyl hydrazine	1.0	75-09-2	Dichloromethane (Methylene chloride)	0.1
60-35-5	Acetamide	0.1	75-15-0	Carbon disulfide	1.0
60-51-5	Dimethoate	1.0	75-21-8	Ethylene oxide	0.1
61-82-5	Amitrole	0.1	75-25-2	Bromoform (Tribromomethane)	1.0
62-53-3	Aniline	1.0	75-27-4	Dichlorobromomethane	0.1
62-55-5	Thioacetamide	0.1	75-34-3	Ethylidene dichloride	1.0
62-56-6	Thiourea	0.1	75-35-4	Vinylidene chloride	1.0
62-73-7	Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]	0.1	75-43-4	Dichlorofluoromethane (HCFC-21)	1.0
62-74-8	Sodium fluoroacetate	1.0	75-44-5	Phosgene	1.0
62-75-9	N-Nitrosodimethylamine	0.1	75-45-6	Chlorodifluoromethane (HCFC-22)	1.0
63-25-2	Carbaryl [1-Naphthalenol, methylcarbamate]	1.0	75-52-5	Nitromethane	0.1
64-18-6	Formic acid	1.0	75-55-8	Propyleneimine	0.1
64-67-5	Diethyl sulfate	0.1	75-56-9	Propylene oxide	0.1
64-75-5	Tetracycline hydrochloride	1.0	75-63-8	Bromotrifluoromethane (Halon 1301)	1.0
67-56-1	Methanol	1.0	75-65-0	tert-Butyl alcohol	1.0
			75-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)	1.0
			75-69-4	Trichlorofluoromethane (CFC-11)	1.0
			75-71-8	Dichlorodifluoromethane (CFC-12)	1.0
			75-72-9	Chlorotrifluoromethane (CFC-13)	1.0

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>			<i>Arranged by CAS Number</i>		
75-86-5	2-Methylacetonitrile	1.0	86-30-6	N-Nitrosodiphenylamine	1.0
75-88-7	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	1.0	87-62-7	2,6-Xylydine	0.1
76-01-7	Pentachloroethane	1.0	87-68-3	Hexachloro-1,3-butadiene	1.0
76-02-8	Trichloroacetyl chloride	1.0	87-86-5	Pentachlorophenol (PCP)	0.1
76-06-2	Chloropicrin	1.0	88-06-2	2,4,6-Trichlorophenol	0.1
76-13-1	Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]	1.0	88-72-2	o-Nitrotoluene	0.1
76-14-2	Dichlorotetrafluoroethane (CFC-114)	1.0	88-75-5	2-Nitrophenol	1.0
76-15-3	Monochloropentafluoroethane (CFC-115)	1.0	88-85-7	Dinitrobutyl phenol (Dinoseb)	1.0
76-44-8	Heptachlor [1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene]	*	88-89-1	Picric acid	1.0
76-87-9	Triphenyltin hydroxide	1.0	90-04-0	o-Anisidine	0.1
77-09-8	Phenolphthalein	0.1	90-43-7	2-Phenylphenol	1.0
77-47-4	Hexachlorocyclopentadiene	1.0	90-94-8	Michler's ketone	0.1
77-73-6	Dicyclopentadiene	1.0	91-08-7	Toluene-2,6-diisocyanate	0.1
77-78-1	Dimethyl sulfate	0.1	91-20-3	Naphthalene	0.1
78-48-8	S,S,S-Tributyltrithiophosphate (DEF)	1.0	91-22-5	Quinoline	1.0
78-79-5	Isoprene	0.1	91-23-6	o-Nitroanisole	0.1
78-84-2	Isobutyraldehyde	1.0	91-59-8	beta-Naphthylamine	0.1
78-87-5	1,2-Dichloropropane	1.0	91-94-1	3,3'-Dichlorobenzidine	0.1
78-88-6	2,3-Dichloropropene	1.0	92-52-4	Biphenyl	1.0
78-92-2	sec-Butyl alcohol	1.0	92-67-1	4-Aminobiphenyl	0.1
79-00-5	1,1,2-Trichloroethane	1.0	92-87-5	Benzidine	0.1
79-01-6	Trichloroethylene	0.1	92-93-3	4-Nitrobiphenyl	0.1
79-06-1	Acrylamide	0.1	93-15-2	Methyleugenol	0.1
79-10-7	Acrylic acid	1.0	93-65-2	Mecoprop	0.1
79-11-8	Chloroacetic acid	1.0	94-11-1	2,4-D isopropyl ester	0.1
79-19-6	Thiosemicarbazide	1.0	94-36-0	Benzoyl peroxide	1.0
79-21-0	Peracetic acid	1.0	94-58-6	Dihydrosafrole	0.1
79-22-1	Methyl chlorocarbonate	1.0	94-59-7	Safrole	0.1
79-34-5	1,1,2,2-Tetrachloroethane	1.0	94-74-6	Methoxone ((4-Chloro-2-methylphenoxy)acetic acid) (MCPA)	0.1
79-44-7	Dimethylcarbamyl chloride	0.1	94-75-7	2,4-D [Acetic acid, (2,4-dichlorophenoxy)-]	0.1
79-46-9	2-Nitropropane	0.1	94-80-4	2,4-D butyl ester	0.1
79 94 7	Tetrabromobisphenol A	*	94-82-6	2,4-DB	1.0
80-05-7	4,4'-Isopropylidenediphenol	1.0	95-47-6	o-Xylene	1.0
80-15-9	Cumene hydroperoxide	1.0	95-48-7	o-Cresol	1.0
80-62-6	Methyl methacrylate	1.0	95-50-1	1,2-Dichlorobenzene	1.0
81-07-2	Saccharin (only persons who manufacture are subject, no supplier notification)	1.0	95-53-4	o-Toluidine	0.1
81-49-2	1-Amino-2,4-dibromoanthraquinone	0.1	95-54-5	1,2-Phenylenediamine	1.0
81-88-9	C.I. Food Red 15	1.0	95-63-6	1,2,4-Trimethylbenzene	1.0
82-28-0	1-Amino-2-methylantraquinone	0.1	95-69-2	p-Chloro-o-toluidine	0.1
82-68-8	Quintozene [Pentachloronitrobenzene]	1.0	95-80-7	2,4-Diaminotoluene	0.1
84-74-2	Dibutyl phthalate	1.0	95-95-4	2,4,5-Trichlorophenol	1.0
85-01-8	Phenanthrene	1.0	96-09-3	Styrene oxide	0.1
85-44-9	Phthalic anhydride	1.0	96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	0.1
			96-18-4	1,2,3-Trichloropropane	0.1
			96-33-3	Methyl acrylate	1.0
			96-45-7	Ethylene thiourea	0.1
			97-23-4	Dichlorophene [2,2'-Methylenebis(4-chlorophenol)]	1.0
			97-56-3	C.I. Solvent Yellow 3	0.1
			98-07-7	Benzoic trichloride (Benzotrachloride)	0.1

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>			<i>Arranged by CAS Number</i>		
98-82-8	Cumene	1.0	108-39-4	m-Cresol	1.0
98-86-2	Acetophenone	1.0	108-45-2	1,3-Phenylenediamine	1.0
98-87-3	Benzal chloride	1.0	108-60-1	Bis(2-chloro-1-methylethyl) ether	1.0
98-88-4	Benzoyl chloride	1.0	108-88-3	Toluene	1.0
98-95-3	Nitrobenzene	0.1	108-90-7	Chlorobenzene	1.0
99-30-9	Dichloran [2,6-Dichloro-4-nitroaniline]	1.0	108-93-0	Cyclohexanol	1.0
99-55-8	5-Nitro-o-toluidine	1.0	108-95-2	Phenol	1.0
99-59-2	5-Nitro-o-anisidine	1.0	109-06-8	2-Methylpyridine	1.0
99-65-0	m-Dinitrobenzene	1.0	109-77-3	Malononitrile	1.0
100-01-6	p-Nitroaniline	1.0	109-86-4	2-Methoxyethanol	1.0
100-02-7	4-Nitrophenol	1.0	110-00-9	Furan	0.1
100-25-4	p-Dinitrobenzene	1.0	110-54-3	n-Hexane	1.0
100-41-4	Ethylbenzene	0.1	110-57-6	trans-1,4-Dichloro-2-butene	1.0
100-42-5	Styrene	0.1	110-80-5	2-Ethoxyethanol	1.0
100-44-7	Benzyl chloride	1.0	110-82-7	Cyclohexane	1.0
100-75-4	N-Nitrosopiperidine	0.1	110-86-1	Pyridine	1.0
101-05-3	Anilazine	1.0	111-42-2	Diethanolamine	1.0
	[4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine]		111-44-4	Bis(2-chloroethyl) ether	1.0
101-14-4	4,4'-Methylenebis(2-chloroaniline) (MBOCA)	0.1	111-91-1	Bis(2-chloroethoxy) methane	1.0
101-61-1	4,4'-Methylenebis(N,N-dimethyl)benzenamine	0.1	114-26-1	Propoxur [Phenol, 2-(1-methylethoxy)-, methylcarbamate]	1.0
101-77-9	4,4'-Methylenedianiline	0.1	115-07-1	Propylene (Propene)	1.0
101-80-4	4,4'-Diaminodiphenyl ether	0.1	115-28-6	Chlorendic acid	0.1
101-90-6	Diglycidyl resorcinol ether	0.1	115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]	1.0
104-12-1	p-Chlorophenyl isocyanate	1.0	116-06-3	Aldicarb	1.0
104-94-9	p-Anisidine	1.0	116-14-3	Tetrafluoroethylene	0.1
105-67-9	2,4-Dimethylphenol	1.0	117-79-3	2-Aminoanthraquinone	0.1
106-42-3	p-Xylene	1.0	117-81-7	Di(2-ethylhexyl) phthalate	0.1
106-44-5	p-Cresol	1.0	118-74-1	Hexachlorobenzene	*
106-46-7	1,4-Dichlorobenzene	0.1	119-90-4	3,3'-Dimethoxybenzidine	0.1
106-47-8	p-Chloroaniline	0.1	119-93-7	3,3'-Dimethylbenzidine(o-Tolidine)	0.1
106-50-3	p-Phenylenediamine	1.0	120-12-7	Anthracene	1.0
106-51-4	Quinone	1.0	120-36-5	2,4-DP	0.1
106-88-7	1,2-Butylene oxide	0.1	120-58-1	Isosafrole	1.0
106-89-8	Epichlorohydrin	0.1	120-71-8	p-Cresidine	0.1
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	0.1	120-80-9	Catechol	0.1
106-94-5	1-Bromopropane	0.1	120-82-1	1,2,4-Trichlorobenzene	1.0
106-99-0	1,3-Butadiene	0.1	120-83-2	2,4-Dichlorophenol	1.0
107-02-8	Acrolein	1.0	121-14-2	2,4-Dinitrotoluene	0.1
107-05-1	Allyl chloride	1.0	121-44-8	Triethylamine	1.0
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	0.1	121-69-7	N,N-Dimethylaniline	1.0
107-11-9	Allylamine	1.0	121-75-5	Malathion	1.0
107-13-1	Acrylonitrile	0.1	122-34-9	Simazine	1.0
107-18-6	Allyl alcohol	1.0	122-39-4	Diphenylamine	1.0
107-19-7	Propargyl alcohol	1.0	122-66-7	1,2-Diphenylhydrazine (Hydrazobenzene)	0.1
107-21-1	Ethylene glycol	1.0	123-31-9	Hydroquinone	1.0
107-30-2	Chloromethyl methyl ether	0.1	123-38-6	Propionaldehyde	1.0
108-05-4	Vinyl acetate	0.1	123-63-7	Paraldehyde	1.0
108-10-1	Methyl isobutyl ketone	1.0	123-72-8	Butyraldehyde	1.0
108-31-6	Maleic anhydride	1.0			
108-38-3	m-Xylene	1.0			

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>			<i>Arranged by CAS Number</i>		
123-91-1	1,4-Dioxane	0.1	300-76-5	Naled	1.0
124-40-3	Dimethylamine	1.0	301-12-2	Oxydemeton methyl [S-(2-(Ethylsulfinyl)ethyl) O,O- dimethyl ester phosphorothioic acid]	1.0
124-73-2	Dibromotetrafluoroethane (Halon 2402)	1.0	302-01-2	Hydrazine	0.1
126-72-7	Tris(2,3-dibromopropyl) phosphate	0.1	306-83-2	2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)	1.0
126-98-7	Methacrylonitrile	1.0	309-00-2	Aldrin [1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro- 1,4,4a,5,8,8a-hexahydro- (1.alpha.,4.alpha.,4a.beta., 5.alpha.,8.alpha.,8a.beta.)-]	*
126-99-8	Chloroprene	0.1	314-40-9	(5-Bromo-6-methyl-3-(1- methylpropyl)-2,4(1H,3H)- pyrimidinedione)	1.0
127-18-4	Tetrachloroethylene (Perchloroethylene)	0.1	319-84-6	alpha-Hexachlorocyclohexane	0.1
128-03-0	Potassium dimethyldithiocarbamate	1.0	330-54-1	Diuron	1.0
128-04-1	Sodium dimethyldithiocarbamate	1.0	330-55-2	Linuron	1.0
128-66-5	C.I. Vat Yellow 4	1.0	333-41-5	Diazinon	1.0
131-11-3	Dimethyl phthalate	1.0	334-88-3	Diazomethane	1.0
131-52-2	Sodium pentachlorophenate	1.0	353-59-3	Bromochlorodifluoromethane (Halon 1211)	1.0
132-27-4	Sodium o-phenylphenoxide	0.1	354-11-0	1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)	1.0
132-64-9	Dibenzofuran	1.0	354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)	1.0
133-06-2	Captan [1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2- [(trichloromethyl)thio]-]	1.0	354-23-4	1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)	1.0
133-07-3	Folpet	1.0	354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	1.0
133-90-4	Chloramben [Benzoic acid, 3-amino-2,5- dichloro-]	1.0	357-57-3	Brucine	1.0
134-29-2	o-Anisidine hydrochloride	0.1	422-44-6	1,2-Dichloro-1,1,2,3,3- pentafluoropropane (HCFC- 225bb)	1.0
134-32-7	alpha-Naphthylamine	0.1	422-48-0	2,3-Dichloro-1,1,1,2,3- pentafluoropropane (HCFC- 225ba)	1.0
135-20-6	Cupferron [Benzeneamine, N-hydroxy-N- nitroso, ammonium salt]	0.1	422-56-0	3,3-Dichloro-1,1,1,2,2- pentafluoropropane (HCFC- 225ca)	1.0
136-45-8	Dipropyl isocinchomeronate	1.0	431-86-7	1,2-Dichloro-1,1,3,3,3- pentafluoropropane (HCFC- 225da)	1.0
137-26-8	Thiram	1.0	460-35-5	3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)	1.0
137-41-7	Potassium N-methyldithio- carbamate	1.0	463-58-1	Carbonyl sulfide	1.0
137-42-8	Metham sodium (Sodium methyldithiocarbamate)	1.0	465-73-6	Isodrin	*
138-93-2	Disodium cyanodithioimido- carbonate	1.0	492-80-8	C.I. Solvent Yellow 34 (Auramine)	0.1
139-13-9	Nitrioltriacetic acid	0.1	505-60-2	Mustard gas [Ethane, 1,1'-thiobis[2-chloro-]	0.1
139-65-1	4,4'-Thiodianiline	0.1	507-55-1	1,3-Dichloro-1,1,2,2,3- pentafluoropropane (HCFC- 225cb)	1.0
140-88-5	Ethyl acrylate	0.1			
141-32-2	Butyl acrylate	1.0			
142-59-6	Nabam	1.0			
148-79-8	Thiabendazole [2-(4-Thiazolyl)-1H- benzimidazole]	1.0			
149-30-4	2-Mercaptobenzothiazole (MBT)	1.0			
150-50-5	Merphos	1.0			
150-68-5	Monuron	1.0			
151-56-4	Ethyleneimine (Aziridine)	0.1			
156-10-5	p-Nitrosodiphenylamine	1.0			
156-62-7	Calcium cyanamide	1.0			
191-24-2	Benzo(g,h,i)perylene	*			
298-00-0	Methyl parathion	1.0			

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>		
509-14-8	Tetranitromethane	0.1
510-15-6	[Benzenecetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester]	1.0
528-29-0	o-Dinitrobenzene	1.0
532-27-4	2-Chloroacetophenone	1.0
533-74-4	Dazomet (Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)	1.0
534-52-1	4,6-Dinitro-o-cresol	1.0
540-59-0	1,2-Dichloroethylene	1.0
541-41-3	Ethyl chloroformate	1.0
541-53-7	2,4-Dithiobiuret	1.0
541-73-1	1,3-Dichlorobenzene	1.0
542-75-6	1,3-Dichloropropylene	0.1
542-76-7	3-Chloropropionitrile	1.0
542-88-1	Bis(chloromethyl) ether	0.1
554-13-2	Lithium carbonate	1.0
556-52-5	Glycidol	0.1
556-61-6	Methyl isothiocyanate [Isothiocyanatomethane]	1.0
563-47-3	3-Chloro-2-methyl-1-propene	0.1
569-64-2	C.I. Basic Green 4	1.0
584-84-9	Toluene-2,4-diisocyanate	0.1
593-60-2	Vinyl bromide	0.1
594-42-3	Perchloromethyl mercaptan	1.0
606-20-2	2,6-Dinitrotoluene	0.1
608 93 5	Pentachlorobenzene	*
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)	0.1
612-83-9	3,3'-Dichlorobenzidine dihydrochloride	0.1
615-05-4	2,4-Diaminoanisole	0.1
615-28-1	1,2-Phenylenediamine dihydrochloride	1.0
621-64-7	N-Nitrosodi-n-propylamine	0.1
624-18-0	1,4-Phenylenediamine dihydrochloride	1.0
624-83-9	Methyl isocyanate	1.0
630-20-6	1,1,1,2-Tetrachloroethane	1.0
636-21-5	o-Toluidine hydrochloride	0.1
639-58-7	Triphenyltin chloride	1.0
680-31-9	Hexamethylphosphoramide	0.1
684-93-5	N-Nitroso-N-methylurea	0.1
709-98-8	Propanil (N-(3,4-Dichlorophenyl) propanamide)	1.0
759-73-9	N-Nitroso-N-ethylurea	0.1
759-94-4	Ethyl dipropylthiocarbamate (EPTC)	1.0
764-41-0	1,4-Dichloro-2-butene	1.0
812-04-4	1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)	1.0

CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>		
834-12-8	Ametryn (N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine)	1.0
842-07-9	C.I. Solvent Yellow 14	1.0
872-50-4	N-Methyl-2-pyrrolidone	1.0
924-16-3	N-Nitrosodi-n-butylamine	0.1
924-42-5	N-Methylolacrylamide	1.0
957-51-7	Diphenamid	1.0
961-11-5	Tetrachlorvinphos [Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyldimethyl ester]	1.0
989-38-8	C.I. Basic Red 1	1.0
1114-71-2	Pebulate [Butylethylcarbamoithioic acid S-propyl ester]	1.0
1120-71-4	Propane sultone	0.1
1134-23-2	Cycloate	1.0
1163-19-5	Decabromodiphenyl oxide	1.0
1313-27-5	Molybdenum trioxide	1.0
1314-20-1	Thorium dioxide	1.0
1319-77-3	Cresol (mixed isomers)	1.0
1320-18-9	2,4-D propylene glycol butyl ether ester	0.1
1330-20-7	Xylene (mixed isomers)	1.0
1332-21-4	Asbestos (friable)	0.1
1335-87-1	Hexachloronaphthalene	1.0
1336-36-3	Polychlorinated biphenyls (PCBs)	*
1344-28-1	Aluminum oxide (fibrous forms)	1.0
1464-53-5	Diepoxybutane	0.1
1563-66-2	Carbofuran	1.0
1582-09-8	Trifluralin [Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-]	*
1634-04-4	Methyl tert-butyl ether	1.0
1649-08-7	1,2-Dichloro-1,1-difluoroethane (HCFC-132b)	1.0
1689-84-5	Bromoxynil (3,5-Dibromo-4-hydroxybenzonitrile)	1.0
1689-99-2	Bromoxynil octanoate (Octanoic acid, 2,6-dibromo-4-cyanophenyl ester)	1.0
1717-00-6	1,1-Dichloro-1-fluoroethane (HCFC-141b)	1.0
1836-75-5	Nitrofen [Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]	0.1
1861-40-1	Benfluralin (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)	1.0
1897-45-6	Chlorothalonil [1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-]	0.1

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>			<i>Arranged by CAS Number</i>		
1910-42-5	Paraquat dichloride	1.0	2971-38-2	2,4-D Chlorocrotyl ester	0.1
1912-24-9	Atrazine (6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine)	1.0	3118-97-6	C.I. Solvent Orange 7	1.0
1918-00-9	Dicamba (3,6-Dichloro-2-methoxybenzoic acid)	1.0	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	0.1
1918-02-1	Picloram	1.0	3383-96-8	Temephos	1.0
1918-16-7	Propachlor [2-Chloro-N-(1-methylethyl)-N-phenylacetamide]	1.0	3653-48-3	Methoxone sodium salt (4-Chloro-2-methylphenoxy) acetate sodium salt)	0.1
1928-43-4	2,4-D 2-ethylhexyl ester	0.1	3761-53-3	C.I. Food Red 5	0.1
1929-73-3	2,4-D butoxyethyl ester	0.1	4080-31-3	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	1.0
1929-82-4	Nitrapyrin (2-Chloro-6-(trichloromethyl)pyridine)	1.0	4170-30-3	Crotonaldehyde	1.0
1937-37-7	C.I. Direct Black 38	0.1	4549-40-0	N-Nitrosomethylvinylamine	0.1
1982-69-0	Sodium dicamba [3,6-Dichloro-2-methoxybenzoic acid, sodium salt]	1.0	4680-78-8	C.I. Acid Green 3	1.0
1983-10-4	Tributyltin fluoride	1.0	5234-68-4	Carboxin (5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide)	1.0
2032-65-7	Methiocarb	1.0	5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]	1.0
2155-70-6	Tributyltin methacrylate	1.0	5902-51-2	[5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]	1.0
2164-07-0	Dipotassium endothall [7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt]	1.0	6459-94-5	C.I. Acid Red 114	0.1
2164-17-2	Fluometuron [Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-]	1.0	7287-19-6	Prometryn [N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]	1.0
2212-67-1	Molinate (1H-Azepine-1-carbothioic acid, hexahydro-S-ethyl ester)	1.0	7429-90-5	Aluminum (fume or dust)	1.0
2234-13-1	Octachloronaphthalene	1.0	7439-92-1	Lead (when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)	*
2300-66-5	Dimethylamine dicamba	1.0	7439-96-5	Manganese	1.0
2303-16-4	Diallate [Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl) ester]	1.0	7439-97-6	Mercury	*
2303-17-5	Triallate	1.0	7440-02-0	Nickel	0.1
2312-35-8	Propargite	1.0	7440-22-4	Silver	1.0
2439-01-2	Chinomethionat [6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one]	1.0	7440-28-0	Thallium	1.0
2439-10-3	Dodine [Dodecylguanidine monoacetate]	1.0	7440-36-0	Antimony	1.0
2524-03-0	Dimethyl chlorothiophosphate	1.0	7440-38-2	Arsenic	0.1
2602-46-2	C.I. Direct Blue 6	0.1	7440-39-3	Barium	1.0
2655-15-4	2,3,5-Trimethylphenyl methyl carbamate	1.0	7440-41-7	Beryllium	0.1
2699-79-8	Sulfuryl fluoride (Vikane)	1.0	7440-43-9	Cadmium	0.1
2702-72-9	2,4-D sodium salt	0.1	7440-47-3	Chromium	1.0
2832-40-8	C.I. Disperse Yellow 3	1.0	7440-48-4	Cobalt	0.1
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	1.0	7440-50-8	Copper	1.0
			7440-62-2	Vanadium (except when contained in an alloy)	1.0
			7440-66-6	Zinc (fume or dust)	1.0
			7550-45-0	Titanium tetrachloride	1.0
			7632-00-0	Sodium nitrite	1.0
			7637-07-2	Boron trifluoride	1.0

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<i>Arranged by CAS Number</i>		
7647-01-0	Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1.0
7664-39-3	Hydrogen fluoride	1.0
7664-41-7	Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)	1.0
7664-93-9	Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1.0
7696-12-0	Tetramethrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester]	1.0
7697-37-2	Nitric acid	1.0
7723-14-0	Phosphorus (yellow or white)	1.0
7726-95-6	Bromine	1.0
7758-01-2	Potassium bromate	0.1
7782-41-4	Fluorine	1.0
7782-49-2	Selenium	1.0
7782-50-5	Chlorine	1.0
7783-06-4	Hydrogen sulfide	1.0
7786-34-7	Mevinphos	1.0
7803-51-2	Phosphine	1.0
8001-35-2	Toxaphene	*
8001-58-9	Creosote	0.1
9006-42-2	Metiram	1.0
10028-15-6	Ozone	1.0
10034-93-2	Hydrazine sulfate	0.1
10049-04-4	Chlorine dioxide	1.0
10061-02-6	trans-1,3-Dichloropropene	0.1
10294-34-5	Boron trichloride	1.0
10453-86-8	Resmethrin [[5-(Phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]]	1.0
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediybis-, zinc complex]	1.0
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediybis-, manganese complex]	1.0

CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>		
13194-48-4	Ethoprop [Phosphorodithioic acid O-ethyl S,S-dipropyl ester]	1.0
13356-08-6	Fenbutatin oxide (Hexakis(2-methyl-2-phenylpropyl) distannoxane)	1.0
13463-40-6	Iron pentacarbonyl	1.0
13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)	1.0
13684-56-5	Desmedipham	1.0
14484-64-1	Ferbam [Tris(dimethylcarbamodithioato-S,S')iron]	1.0
15972-60-8	Alachlor	1.0
16071-86-6	C.I. Direct Brown 95	0.1
16543-55-8	N-Nitrosornicotine	0.1
17804-35-2	Benomyl	1.0
19044-88-3	Oryzalin [4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide]	1.0
19666-30-9	Oxydiazon [3-[2,4-Dichloro-5-(1-methylethoxy) phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one]	1.0
20325-40-0	3,3'-Dimethoxybenzidine dihydrochloride (o-Dianisidine dihydrochloride)	0.1
20354-26-1	Methazole [2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]	1.0
20816-12-0	Osmium tetroxide	1.0
20859-73-8	Aluminum phosphide	1.0
21087-64-9	Metribuzin	1.0
21725-46-2	Cyanazine	1.0
22781-23-3	[2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate]	1.0
23564-05-8	Thiophanate methyl	1.0
23564-06-9	Thiophanate ethyl [[1,2-Phenylenebis(iminocarbonothioyl) bis carbamic acid diethyl ester]	1.0
23950-58-5	Pronamide	1.0
25311-71-1	Isofenphos [2-[[Ethoxyl[(1-methylethyl)-amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester]	1.0
25321-14-6	Dinitrotoluene (mixed isomers)	1.0
25321-22-6	Dichlorobenzene (mixed isomers)	0.1
25376-45-8	Diaminotoluene (mixed isomers)	0.1
26002-80-2	Phenothrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]	1.0

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CAS Number	Chemical Name	De minimus % Limit	CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>			<i>Arranged by CAS Number</i>		
26471-62-5	Toluene diisocyanate (mixed isomers)	0.1	40487-42-1	Pendimethalin [N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine]	*
26628-22-8	Sodium azide	1.0	41198-08-7	Profenofos [O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate]	1.0
26644-46-2	Triforine [N,N'-[1,4-Piperazinediylbis(2,2,2-trichloroethylidene)]bisformamide]	1.0	41766-75-0	3,3'-Dimethylbenzidine dihydrofluoride (o-Tolidinedihydrofluoride)	0.1
27314-13-2	Norflurazon [4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone]	1.0	42874-03-3	Oxyfluorfen	1.0
28057-48-9	d-trans-Allethrin [d-trans-Chrysanthemic acid of d-allethrine]	1.0	43121-43-3	Triadimefon [1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]	1.0
28249-77-6	Thiobencarb [Carbamic acid, diethylthio-, S-(p-chlorobenzyl)ester]	1.0	50471-44-8	Vinclozolin [3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]	1.0
28407-37-6	C.I. Direct Blue 218	1.0	51235-04-2	Hexazinone	1.0
29082 74 4	Octachlorostyrene	*	51338-27-3	Diclofop methyl [2-[4-(2,4-Dichlorophenoxy)-phenoxy]propanoic acid, methyl ester]	1.0
29232-93-7	Pirimiphos methyl [O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethylphosphorothioate]	1.0	51630-58-1	Fenvalerate [4-Chloro-alpha-(1-methylethyl)-benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester]	1.0
30560-19-1	Acephate (Acetylphosphoramidothioic acid O,S-dimethyl ester)	1.0	52645-53-1	Permethrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxyphenyl)methyl ester]	1.0
31218-83-4	Propetamphos [3-[(Ethylamino) methoxyphosphinothioyl]oxy]-2-butenic acid, 1-methylethyl ester]	1.0	53404-19-6	Bromacil, lithium salt [2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]	1.0
33089-61-1	Amitraz	1.0	53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester	0.1
34014-18-1	Tebuthiuron [N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea]	1.0	53404-60-7	Dazomet, sodium salt [Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium]	1.0
34077-87-7	Dichlorotrifluoroethane	1.0	55290-64-7	Dimethipin [2,3-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide]	1.0
35367-38-5	Diflubenzuron	1.0	55406-53-6	3-Iodo-2-propynyl butyl carbamate	1.0
35400-43-2	Sulprofos [O-Ethyl O-[4-(methylthio)phenyl]-phosphorodithioic acid S-propyl ester]	1.0	57213-69-1	Triclopyr triethylammonium salt	1.0
35554-44-0	Imazalil [1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole]	1.0	59669-26-0	Thiodicarb	1.0
35691-65-7	1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile	1.0	60168-88-9	[.alpha.-(2-Chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanol]	1.0
38727-55-8	Diethyl ethyl	1.0	60207-90-1	Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4-triazole]	1.0
39156-41-7	2,4-Diaminoanisoole sulfate	0.1			
39300-45-3	Dinocap	1.0			
39515-41-8	Fenpropathrin [2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester]	1.0			

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62476-59-9	Acifluorfen, sodium salt [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt]	1.0
63938-10-3	Chlorotetrafluoroethane	1.0
64902-72-3	Chlorsulfuron [2-Chloro-N-[[4-methoxy-6-methyl-1,3,5-triazin-2-yl]amino] carbonyl] benzenesulfonamide]	1.0
64969-34-2	3,3'-Dichlorobenzidine sulfate	0.1
66441-23-4	[2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propionic acid, ethyl ester]	1.0
67485-29-4	Hydramethylnon [Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone]	1.0
68085-85-8	Cyhalothrin [3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl) methyl ester]	1.0
68359-37-5	Cyfluthrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl) methyl ester]	1.0
69409-94-5	Fluvalinate [N-[2-Chloro-4-(trifluoromethyl)phenyl]DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester]	1.0
69806-50-4	Fluazifop butyl [2-[4-[[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, butyl ester]	1.0
71751-41-2	Abamectin [Avermectin B1]	1.0
72178-02-0	Fomesafen [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl]-2-nitrobenzamide]	1.0
72490-01-8	Fenoxycarb [[2-(4-Phenoxy phenoxy)ethyl]carbamic acid ethyl ester]	1.0
74051-80-2	Sethoxydim [2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxyl-2-cyclohexen-1-one]	1.0

CAS Number	Chemical Name	De minimus % Limit
<i>Arranged by CAS Number</i>		
76578-14-8	Quinalofop-ethyl [2-[4-[(6-Chloro-2-quinoxalinyloxy]phenoxy]propanoic acid ethyl ester]	1.0
77501-63-4	Lactofen [Benzoic acid, 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester]	1.0
82657-04-3	Bifenthrin	1.0
88671-89-0	Myclobutanil [.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile]	1.0
90454-18-5	Dichloro-1,1,2-trifluoroethane	1.0
90982-32-4	Chlorimuron ethyl [Ethyl-2-[[[[4-chloro-6-methoxyprimidin-2-yl)amino]carbonyl] amino]sulfonyl]benzoate]	1.0
101200-48-0	Tribenuron methyl [2-[[[[4-Methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl] amino]sulfonyl]benzoic acid methyl ester]	1.0
111512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	1.0
111984-09-9	3,3'-Dimethoxybenzidine hydrochloride (o-Dianisidine hydrochloride)	0.1
127564-92-5	Dichloropentafluoropropane	1.0
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	1.0
136013-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	1.0

c. Chemical Categories

Section 313 requires reporting on the EPCRA Section 313 chemical categories listed below, in addition to the specific EPCRA Section 313 chemicals listed above.

The metal compound categories listed below, unless otherwise specified, are defined as including any unique chemical substance that contains the named metal (e.g., antimony, nickel, etc.) as part of that chemical's structure.

EPCRA Section 313 chemical categories are subject to the 1% *de minimis* concentration unless the substance involved meets the definition of an OSHA carcinogen in which case the 0.1% *de minimis* concentration applies. The *de minimis* concentration for each category is provided in parentheses. The

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

de minimis exemption is not available for PBT chemicals, therefore an asterisk appears where a *de minimis* limit would otherwise appear. However, for purposes of the supplier notification requirement only, such limits are provided in Appendix D.

N010 Antimony Compounds (1.0)
Includes any unique chemical substance that contains antimony as part of that chemical's infrastructure.

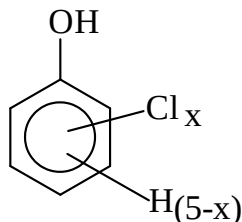
N020 Arsenic Compounds (inorganic compounds: 0.1; organic compounds: 1.0)
Includes any unique chemical substance that contains arsenic as part of that chemical's infrastructure.

N040 Barium Compounds (1.0)
Includes any unique chemical substance that contains barium as part of that chemical's infrastructure. This category does not include:
Barium sulfate CAS Number 7727-43-7

N050 Beryllium Compounds (0.1)
Includes any unique chemical substance that contains beryllium as part of that chemical's infrastructure.

N078 Cadmium Compounds (0.1)
Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

N084 Chlorophenols (0.1)



Where $x = 1$ to 5

N090 Chromium Compounds
(except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). COPR is the solid waste remaining after aqueous extraction of oxidized chromite ore that has been combined with soda ash and kiln roasted at approximately 2,000 °F.)

(chromium VI compounds: 0.1; chromium III compounds: 1.0)

Includes any unique chemical substance that contains chromium as part of that chemical's infrastructure.

N096 Cobalt Compounds (inorganic compounds: 0.1; organic compounds: 1.0)
Includes any unique chemical substance that contains

cobalt as part of that chemical's infrastructure.

N100 Copper Compounds (1.0)
Includes any unique chemical substance that contains copper as part of that chemical's infrastructure. This category does not include copper phthalocyanine compounds that are substituted with only hydrogen, and/or chlorine, and/or bromine.

N106 Cyanide Compounds (1.0)
 X^+CN^- where $X = H^+$ or any other group where a formal dissociation can be made. For example KCN or $Ca(CN)_2$

N120 Diisocyanates (1.0)
This category includes only those chemicals listed below.

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

CAS Number	Chemical Name
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane
10347-54-3	1,4-Bis(methylisocyanate)- cyclohexane
2556-36-7	1,4-Cyclohexane diisocyanate
134190-37-7	Diethyldiisocyanatobenzene
4128-73-8	4,4'-Diisocyanatodiphenyl ether
75790-87-3	2,4'-Diisocyanatodiphenyl sulfide
91-93-0	3,3'-Dimethoxybenzidine-4,4'- diisocyanate
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'- diisocyanate
822-06-0	Hexamethylene-1,6-diisocyanate
4098-71-9	Isophorone diisocyanate
75790-84-0	4-Methyldiphenylmethane-3,4- diisocyanate
5124-30-1	1,1-Methylenebis(4- isocyanatocyclohexane)
101-68-8	Methylenebis(phenylisocyanate) (MDI)
3173-72-6	1,5-Naphthalene diisocyanate
123-61-5	1,3-Phenylene diisocyanate
104-49-4	1,4-Phenylene diisocyanate
9016-87-9	Polymeric diphenylmethane diisocyanate
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate

N150 Dioxin and dioxin-like compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical.) (*) This category includes only those chemicals listed below. [Note: When completing the Form R Schedule 1, enter the data for each member of the category in the order they are listed here (i.e., 1- 17).]

Box #	CAS Number	Chemical Name
1	1746-01-6	2,3,7,8- Tetrachlorodibenzo- <i>p</i> -dioxin
2	40321-76-4	1,2,3,7,8- Pentachlorodibenzo- <i>p</i> -dioxin
3	39227-28-6	1,2,3,4,7,8- Hexachlorodibenzo- <i>p</i> -dioxin
4	57653-85-7	1,2,3,6,7,8- Hexachlorodibenzo- <i>p</i> -dioxin
5	19408-74-3	1,2,3,7,8,9- Hexachlorodibenzo- <i>p</i> -dioxin
6	35822-46-9	1,2,3,4,6,7,8- Heptachlorodibenzo- <i>p</i> -dioxin
7	3268-87-9	1,2,3,4,6,7,8,9- Octachlorodibenzo- <i>p</i> -dioxin
8	51207-31-9	2,3,7,8- Tetrachlorodibenzofuran
9	57117-41-6	1,2,3,7,8- Pentachlorodibenzofuran
10	57117-31-4	2,3,4,7,8- Pentachlorodibenzofuran
11	70648-26-9	1,2,3,4,7,8- Hexachlorodibenzofuran
12	57117-44-9	1,2,3,6,7,8- Hexachlorodibenzofuran
13	72918-21-9	1,2,3,7,8,9- Hexachlorodibenzofuran
14	60851-34-5	2,3,4,6,7,8- Hexachlorodibenzofuran
15	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran
16	55673-89-7	1,2,3,4,7,8,9- Heptachlorodibenzofuran
17	39001-02-0	1,2,3,4,6,7,8,9- Octachlorodibenzofuran

N171 Ethylenebisdithiocarbamic acid, salts and esters EBDCs (1.0)
Includes any unique chemical substance that contains an EBDC or an EBDC salt as part of that chemical's infrastructure.

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

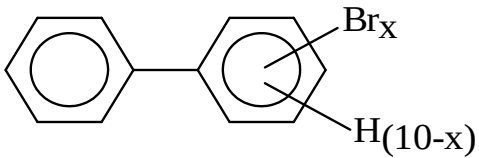
<p>N230 Certain Glycol Ethers (1.0) $R - (OCH_2CH_2)_n - OR'$ where: $n = 1, 2, \text{ or } 3;$ $R = \text{Alkyl C7 or less; or}$ $R = \text{phenyl or alkyl substituted phenyl;}$ $R' = \text{H or alkyl C7 or less; or}$ OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.</p>	<p>N583 Polychlorinated alkanes (C₁₀ to C₁₃) (1.0, except for those members of the category that have an average chain length of 12 carbons and contain an average chlorine content of 60% by weight which are subject to the 0.1% <i>de minimis</i>) <i>Includes those chemicals defined by the following formula:</i></p> $C_xH_{2x-y} + 2Cl_y$ <p>Where $x = 10 \text{ to } 13;$ $y = 3 \text{ to } 12;$ and where the average chlorine content ranges from 40-70% with the limiting molecular formulas $C_{10}H_{19}Cl_3$ and $C_{13}H_{16}Cl_{12}$</p>																																																				
<p>N420 Lead Compounds (*) <i>Includes any unique chemical substance that contains lead as part of that chemical's infrastructure.</i></p>	<p>N590 Polycyclic aromatic compounds (PACs) (*) This category includes the chemicals listed below.</p>																																																				
<p>N450 Manganese Compounds (1.0) <i>Includes any unique chemical substance that contains manganese as part of that chemical's infrastructure.</i></p>	<table border="0"> <thead> <tr> <th style="text-align: left;">CAS Number</th> <th style="text-align: left;">Chemical Name</th> </tr> </thead> <tbody> <tr><td>56-55-3</td><td>Benz(a)anthracene</td></tr> <tr><td>205-99-2</td><td>Benzo(b)fluoranthene</td></tr> <tr><td>205-82-3</td><td>Benzo(j)fluoranthene</td></tr> <tr><td>207-08-9</td><td>Benzo(k)fluoranthene</td></tr> <tr><td>206-44-0</td><td>Benzo(j,k)fluorene</td></tr> <tr><td>189-55-9</td><td>Benzo(r,s,t)pentaphene</td></tr> <tr><td>218-01-9</td><td>Benzo(a)phenanthrene</td></tr> <tr><td>50-32-8</td><td>Benzo(a)pyrene</td></tr> <tr><td>226-36-8</td><td>Dibenz(a,h)acridine</td></tr> <tr><td>224-42-0</td><td>Dibenz(a,j)acridine</td></tr> <tr><td>53-70-3</td><td>Dibenzo(a,h)anthracene</td></tr> <tr><td>194-59-2</td><td>7H-Dibenzo(c,g)carbazole</td></tr> <tr><td>5385-75-1</td><td>Dibenzo(a,e)fluoranthene</td></tr> <tr><td>192-65-4</td><td>Dibenzo(a,e)pyrene</td></tr> <tr><td>189-64-0</td><td>Dibenzo(a,h)pyrene</td></tr> <tr><td>191-30-0</td><td>Dibenzo(a,l)pyrene</td></tr> <tr><td>57-97-6</td><td>7,12-Dimethylbenz(a)-anthracene</td></tr> <tr><td>42397-64-8</td><td>1,6-Dinitropyrene</td></tr> <tr><td>42397-65-9</td><td>1,8-Dinitropyrene</td></tr> <tr><td>193-39-5</td><td>Indeno(1,2,3-cd)pyrene</td></tr> <tr><td>56-49-5</td><td>3-Methylcholanthrene</td></tr> <tr><td>3697-24-3</td><td>5-Methylchrysene</td></tr> <tr><td>7496-02-8</td><td>6-Nitrochrysene</td></tr> <tr><td>5522-43-0</td><td>1-Nitropyrene</td></tr> <tr><td>57835-92-4</td><td>4-Nitropyrene</td></tr> </tbody> </table>	CAS Number	Chemical Name	56-55-3	Benz(a)anthracene	205-99-2	Benzo(b)fluoranthene	205-82-3	Benzo(j)fluoranthene	207-08-9	Benzo(k)fluoranthene	206-44-0	Benzo(j,k)fluorene	189-55-9	Benzo(r,s,t)pentaphene	218-01-9	Benzo(a)phenanthrene	50-32-8	Benzo(a)pyrene	226-36-8	Dibenz(a,h)acridine	224-42-0	Dibenz(a,j)acridine	53-70-3	Dibenzo(a,h)anthracene	194-59-2	7H-Dibenzo(c,g)carbazole	5385-75-1	Dibenzo(a,e)fluoranthene	192-65-4	Dibenzo(a,e)pyrene	189-64-0	Dibenzo(a,h)pyrene	191-30-0	Dibenzo(a,l)pyrene	57-97-6	7,12-Dimethylbenz(a)-anthracene	42397-64-8	1,6-Dinitropyrene	42397-65-9	1,8-Dinitropyrene	193-39-5	Indeno(1,2,3-cd)pyrene	56-49-5	3-Methylcholanthrene	3697-24-3	5-Methylchrysene	7496-02-8	6-Nitrochrysene	5522-43-0	1-Nitropyrene	57835-92-4	4-Nitropyrene
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<p>N458 Mercury Compounds (*) <i>Includes any unique chemical substance that contains mercury as part of that chemical's infrastructure.</i></p>																																																					
<p>N495 Nickel Compounds (0.1) <i>Includes any unique chemical substance that contains nickel as part of that chemical's infrastructure.</i></p>																																																					
<p>N503 Nicotine and salts (1.0) <i>Includes any unique chemical substance that contains nicotine or a nicotine salt as part of that chemical's infrastructure.</i></p>																																																					
<p>N511 Nitrate compounds (water dissociable; reportable only when in aqueous solution) (1.0)</p>																																																					
<p>N530 Nonylphenol (1.0) This category includes only those chemicals listed below.</p> <table border="0"> <thead> <tr> <th style="text-align: left;">CAS Number</th> <th style="text-align: left;">Chemical Name</th> </tr> </thead> <tbody> <tr><td>104-40-5</td><td>4-Nonylphenol</td></tr> <tr><td>11066-49-2</td><td>Isononylphenol</td></tr> <tr><td>25154-52-3</td><td>Nonylphenol</td></tr> <tr><td>26543-97-5</td><td>4-Isononylphenol</td></tr> <tr><td>84852-15-3</td><td>4-Nonylphenol, branched</td></tr> <tr><td>90481-04-2</td><td>Nonylphenol, branched</td></tr> </tbody> </table>	CAS Number	Chemical Name	104-40-5	4-Nonylphenol	11066-49-2	Isononylphenol	25154-52-3	Nonylphenol	26543-97-5	4-Isononylphenol	84852-15-3	4-Nonylphenol, branched	90481-04-2	Nonylphenol, branched																																							
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<p>N575 Polybrominated Biphenyls (PBBs) (0.1)</p>  <p>where $x = 1 \text{ to } 10$</p>	<p>N725 Selenium Compounds (1.0) <i>Includes any unique chemical substance that contains selenium as part of that chemical's infrastructure.</i></p>																																																				
	<p>N740 Silver Compounds (1.0) <i>Includes any unique chemical substance that contains silver as part of that chemical's infrastructure.</i></p>																																																				
	<p>N746 Strychnine and salts (1.0) <i>Includes any unique chemical substance that contains strychnine or a strychnine salt as part of that chemical's infrastructure.</i></p>																																																				

Table II. EPCRA Section 313 Chemical List for Reporting Year 2016

N760 Thallium Compounds (1.0)

Includes any unique chemical substance that contains thallium as part of that chemical's infrastructure.

N770 Vanadium compounds (1.0)

Includes any unique chemical substance that contains vanadium as part of that chemical's infrastructure.

N874 Warfarin and salts (1.0)

Includes any unique chemical substance that contains warfarin or a warfarin salt as part of that chemical's infrastructure.

N982 Zinc Compounds (1.0)

Includes any unique chemical substance that contains zinc as part of that chemical's infrastructure.