

Table 3
List of Regulated Toxic and Flammable Substances
For Purposes of Accidental Release Prevention
(OAR 340-244-0230, Table 3)

Part A - Regulated Toxic Substances

CAS Number	Chemical Name	Threshold Quantity (lbs.)
107-02-8	Acrolein [2-Propenal]	5,000
107-13-1	Acrylonitrile [2-Propenenitrile]	20,000
814-68-6	Acrylyl chloride [2-Propenoyl chloride]	5,000
107-18-6	Allyl alcohol [2-Propen-1-ol]	15,000
107-11-9	Allylamine [2-Propen-1-amine]	10,000
7664-41-7	Ammonia (anhydrous)	10,000
7664-41-7	Ammonia (concentration 20% or greater)	20,000
7784-34-1	Arsenous trichloride	15,000
7784-42-1	Arsine	1,000
10294-34-5	Boron trichloride [Borane, trichloro-]	5,000
7637-07-2	Boron trifluoride [Borane, trifluoro-]	5,000
353-42-4	Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro[oxybis[metane]]-, T-4-	15,000
7726-95-6	Bromine	10,000
75-15-0	Carbon disulfide	20,000
7782-50-5	Chlorine	2,500
10049-04-4	Chlorine [Chlorine oxide (ClO ₂)]	1,000
67-66-3	Chloroform [Methane, trichloro-]	20,000
542-88-1	Chloromethyl ether [Methane, oxybis[chloro-]]	1,000
107-30-2	Chloromethyl methyl ether [Methane, chloromethoxy-]	5,000
4170-30-3	Crotonaldehyde [2-Butenal]	20,000
123-73-9	Crotonaldehyde, (E)- [2-Butenal, (E)-]	20,000
506-77-4	Cyanogen chloride	10,000
108-91-8	Cyclohexylamine [Cyclohexanamine]	15,000
19287-45-7	Diborane	2,500
75-78-5	Dimethyldichlorosilane [Silane, dichlorodimethyl-]	5,000
57-14-7	1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-]	15,000
106-89-8	Epichlorohydrin [Oxirane, (chloromethyl)-]	20,000
107-15-3	Ethylenediamine [1,2-Ethanediamine]	20,000
151-56-4	Ethyleneimine [Aziridine]	10,000
75-21-8	Ethylene oxide [Oxirane]	10,000
7782-41-4	Fluorine	1,000
50-00-0	Formaldehyde (solution)	15,000
110-00-9	Furan	5,000
302-01-2	Hydrazine	15,000
7647-01-0	Hydrochloric acid (concentration 30% or greater)	15,000
74-90-8	Hydrocyanic acid	2,500
7647-01-0	Hydrogen chloride (anhydrous) [Hydrochloric acid]	5,000
7664-39-3	Hydrogen fluoride/Hydrofluoric acid (concentration 50% or greater) [Hydrofluoric acid]	1,000
7783-39-3	Hydrogen selenide	500
7783-06-4	Hydrogen sulfide	10,000
13463-40-6	Iron, pentacarbonyl- [Iron carbonyl (Fe ₉ CO) ₅], (TB- 5-11)-]	2,500
78-82-0	Isobutyronitrile [Propanenitrile, 2-methyl-]	20,000
108-23-6	Isopropyl chloroformate [Carbonochloric acid, 1-	15,000

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CAS Number	Chemical Name	Threshold Quantity (lbs.)
	methylethyl ester]	
126-98-7	Methacrylonitrile [2-Propenenitrile, 2-methyl-]	10,000
74-87-3	Methyl chloride [Methane, chloro-]	10,000
79-22-1	Methyl chloroformate [Carbonochloric acid, methylester]	5,000
60-34-4	Methyl hydrazine [Hydrazine, methyl-]	15,000
624-83-9	Methyl isocyanate [Methane, isocyanato-]	10,000
74-93-1	Methyl mercaptan [Methanethiol]	10,000
556-64-9	Methyl thiocyanate [Thiocyanic acid, methyl ester]	20,000
75-79-6	Methyltrichlorosilane [Silane, trichloromethyl-]	5,000
13463-39-3	Nickel carbonyl	1,000
7697-37-2	Nitric acid (concentration 80% or greater)	15,000
10102-43-9	Nitric oxide [Nitrogen oxide (NO)]	10,000
8014-95-7	Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide] ¹	10,000
79-21-0	Peracetic acid [Ethaneperoxoic acid]	10,000
594-42-3	Perchloromethylmercaptan [Methanesulfonyl chloride, trichloro-]	10,000
75-44-5	Phosgene [Carbonic dichloride]	500
7803-51-2	Phosphine	5,000
10025-87-3	Phosphorus oxychloride [Phosphoryl chloride]	5,000
7719-12-2	Phosphorus trichloride [Phosphorus trichloride]	15,000
110-89-4	Piperidine	15,000
107-12-0	Propionitrile [Propanenitrile]	10,000
109-61-5	Propyl chloroformate [Carbonochloric acid, propylester]	15,000
75-55-8	1,2-Propylenimine [Aziridine, 2-methyl-]	10,000
75-56-9	Propylene oxide [Oxirane, methyl-]	10,000
7446-09-5	Sulfur dioxide (anhydrous)	5,000
7783-60-0	Sulfur tetrafluoride [Sulfur fluoride (SF ₄), (T-4)-]	2,500
7446-11-9	Sulfur trioxide	10,000
75-74-1	Tetramethyllead [Plumbane, tetramethyl-]	10,000
509-14-8	Tetranitromethane [Methane, tetranitro-]	10,000
7550-45-0	Titanium tetrachloride [Titanium chloride (TiCl ₄) (T-4)-]	2,500
584-84-9	Toluene 2,4-diisocyanate [Benzene, 2,4-diisocyanato-1-methyl-] ¹	10,000
91-08-7	Toluene 2,6-diisocyanate [Benzene, 1,3-diisocyanato-2-methyl-] ¹	10,000
26471-62-5	Toluene diisocyanate (unspecified isomer) [Benzene, 1,3-diisocyanatomethyl-] ¹	10,000
75-77-4	Trimethylchlorosilane [Silane, chlorotrimethyl-]	10,000
108-05-4	Vinyl acetate monomer [Acetic acid ethenyl ester]	15,000

¹ The mixture exemption in 40 CFR Part 68.115(b)(1) does not apply to the substance.

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Part B - Regulated Flammable Substances

CAS Number	Chemical Name	Threshold Quantity (lbs.)
75-07-0	Acetaldehyde	10,000
74-86-2	Acetylene [Ethyne]	10,000
598-73-2	Bromotrifluoroethylene [Ethene, bromotrifluoro-]	10,000
106-99-0	1,3-Butadiene	10,000
106-97-8	Butane	10,000
106-98-9	1-Butene	10,000
107-01-7	2-Butene	10,000
25167-67-3	Butene	10,000
590-18-1	2-Butene-cis	10,000
624-64-6	2-Butene-trans [2-Butene, (E)]	10,000
463-58-1	Carbon oxysulfide [Carbon oxide sulfide (COS)]	10,000
7791-21-1	Chlorine monoxide [Chlorine oxide]	10,000
557-98-2	2-Chloropropylene [1-Propene, 2-chloro-]	10,000
590-21-6	1-Chloropropylene [1-Propene, 1-chloro-]	10,000
460-19-5	Cyanogen [Ethanedinitrile]	10,000
75-19-4	Cyclopropane	10,000
4109-96-0	Dichlorosilane [Silane, dichloro-]	10,000
75-37-6	Difluoroethane [Ethane, 1,1-difluoro-]	10,000
124-40-3	Dimethylamine [Methanamine, N-methyl-]	10,000
463-82-1	2,2-Dimethylpropane [Propane, 2,2-dimethyl-]	10,000
84-84-0	Ethane	10,000
107-00-6	Ethyl acetylene [1-Butyne]	10,000
75-04-7	Ethylamine [Ethanamine]	10,000
75-00-3	Ethyl chloride [Ethane, chloro-]	10,000
74-85-1	Ethylene [Ethene]	10,000
60-29-7	Ethyl ether [Ethane, 1,1'-oxybis-]	10,000
75-08-1	Ethyl mercaptan [Ethanethiol]	10,000
109-95-5	Ethyl nitrite [Nitrous acid, ethyl ester]	10,000
1333-74-0	Hydrogen	10,000
75-28-5	Isobutane [Propane, 2-methyl]	10,000
78-78-4	Isopentane [Butane, 2-methyl-]	10,000
78-79-5	Isoprene [1,3-Butadiene, 2-methyl-]	10,000
75-31-0	Isopropylamine [2-Propanamine]	10,000
75-29-6	Isopropyl chloride [Propane, 2-chloro-]	10,000
74-82-8	Methane	10,000
74-89-5	Methylamine [Methanamine]	10,000
563-45-1	3-Methyl-1-butene	10,000
563-46-2	2-Methyl-1-butene	10,000
115-10-6	Methyl ether [Methane, oxybis-]	10,000
107-31-3	Methyl formate [Formic acid, methyl ester]	10,000
115-11-7	Methylpropene [1-Propene, 2-methyl-]	10,000
504-60-9	1,3-Pentadiene	10,000
109-66-0	Pentane	10,000
109-67-1	1-Pentene	10,000
646-04-8	2-Pentene, (E)-	10,000
627-20-3	2-Pentene, (Z)-	10,000
463-49-0	Propadiene [1,2-Propadiene]	10,000
74-98-6	Propane	10,000
115-07-1	Propylene [1-Propene]	10,000
74-99-7	Propyne [1-Propyne]	10,000
7803-62-5	Silane	10,000
116-14-3	Tetrafluoroethylene [Ethene, tetrafluoro-]	10,000

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CAS Number	Chemical Name	Threshold Quantity (lbs.)
75-76-3	Tetramethylsilane [Silane, tetramethyl-]	10,000
10025-78-2	Trichlorosilane [Silane, trichloro-]	10,000
79-38-9	Trifluorochloroethylene [Ethene, chlorotrifluoro-]	10,000
75-50-3	Trimethylamine [Methanamine, N,N-dimethyl-]	10,000
689-97-4	Vinyl acetate [1-Buten-3-yne]	10,000
75-01-4	Vinyl chloride [Ethene, chloro-]	10,000
109-92-2	Vinyl ethyl ether [Ethene, ethoxy-]	10,000
75-02-5	Vinyl fluoride [Ethene, fluoro-]	10,000
75-35-4	Vinylidene chloride [Ethene, 1,1-dichloro-]	10,000
75-38-7	Vinylidene fluoride [Ethene, 1,1-difluoro-]	10,000
107-25-5	Vinyl methyl ether [Ethene, methoxy-]	10,000