

Environmental Protection Agency

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(ii) Documentation of literature searches conducted, including, but not limited to, identification of the data-base(s) searched, the search strategy, dates covered, and printed results;

(iii) Effects data (animal, human, and environmental test data) indicating the potential for death, injury, or serious adverse human and environmental impacts from acute exposure following an accidental release; printed copies of the data sources, in English, should be provided; and

(iv) Exposure data or previous accident history data, indicating the potential for serious adverse human health or environmental effects from an accidental release. These data may include, but are not limited to, physical and chemical properties of the substance, such as vapor pressure; modeling results, including data and assumptions used and model documentation; and historical accident data, citing data sources.

(h) Within 18 months of receipt of a petition, the Administrator shall publish in the FEDERAL REGISTER a notice either denying the petition or granting the petition and proposing a listing.

§ 68.125 Exemptions.

Agricultural nutrients. Ammonia used as an agricultural nutrient, when held by farmers, is exempt from all provisions of this part.

§ 68.126 Exclusion.

Flammable Substances Used as Fuel or Held for Sale as Fuel at Retail Facilities. A flammable substance listed in Tables 3 and 4 of § 68.130 is nevertheless excluded from all provisions of this part when the substance is used as a fuel or held for sale as a fuel at a retail facility.

[65 FR 13250, Mar. 13, 2000]

§ 68.130 List of substances.

(a) Regulated toxic and flammable substances under section 112(r) of the Clean Air Act are the substances listed in Tables 1, 2, 3, and 4. Threshold quantities for listed toxic and flammable substances are specified in the tables.

(b) The basis for placing toxic and flammable substances on the list of

regulated substances are explained in the notes to the list.

TABLE 1 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION
[Alphabetical Order—77 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|---|------------|--------------------------|-------------------|
| Acrolein [2-Propenal]. | 107-02-8 | 5,000 | b |
| Acrylonitrile [2-Propenenitrile]. | 107-13-1 | 20,000 | b |
| Acrylyl chloride [2-Propenoyl chloride]. | 814-68-6 | 5,000 | b |
| Allyl alcohol [2-Propen-1-ol]. | 107-18-61 | 15,000 | b |
| Allylamine [2-Propen-1-amine]. | 107-11-9 | 10,000 | b |
| Ammonia (anhydrous). | 7664-41-7 | 10,000 | a, b |
| Ammonia (conc 20% or greater). | 7664-41-7 | 20,000 | a, b |
| Arsenous trichloride. | 7784-34-1 | 15,000 | b |
| Arsine | 7784-42-1 | 1,000 | b |
| Boron trichloride [Borane, trichloro-]. | 10294-34-5 | 5,000 | b |
| Boron trifluoride [Borane, trifluoro-]. | 7637-07-2 | 5,000 | b |
| Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis [metane]]-, T-4-]. | 353-42-4 | 15,000 | b |
| Bromine | 7726-95-6 | 10,000 | a, b |
| Carbon disulfide | 75-15-0 | 20,000 | b |
| Chlorine | 7782-50-5 | 2,500 | a, b |
| Chlorine dioxide [Chlorine oxide (ClO2)]. | 10049-04-4 | 1,000 | c |
| Chloroform [Methane, trichloro-]. | 67-66-3 | 20,000 | b |
| Chloromethyl ether [Methane, oxybis(chloro-)]. | 542-88-1 | 1,000 | b |
| Chloromethyl methyl ether [Methane, chloromethoxy-]. | 107-30-2 | 5,000 | b |
| Crotonaldehyde [2-Butenal]. | 4170-30-3 | 20,000 | b |
| Crotonaldehyde, (E)- [2-Butenal, (E)-]. | 123-73-9 | 20,000 | b |
| Cyanogen chloride. | 506-77-4 | 10,000 | c |
| Cyclohexylamine [Cyclohexanamine]. | 108-91-8 | 15,000 | b |
| Diborane | 19287-45-7 | 2,500 | b |
| Dimethyldichlorosilane [Silane, dichlorodimethyl-]. | 75-78-5 | 5,000 | b |

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TABLE 1 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION—Continued

[Alphabetical Order—77 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|--|------------|--------------------------|-------------------|
| 1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-]. | 57-14-7 | 15,000 | b |
| Epichlorohydrin [Oxirane, (chloromethyl)-]. | 106-89-8 | 20,000 | b |
| Ethylenediamine [1,2-Ethanediamine]. | 107-15-3 | 20,000 | b |
| Ethyleneimine [Aziridine]. | 151-56-4 | 10,000 | b |
| Ethylene oxide [Oxirane]. | 75-21-8 | 10,000 | a, b |
| Fluorine | 7782-41-4 | 1,000 | b |
| Formaldehyde (solution). | 50-00-0 | 15,000 | b |
| Furan | 110-00-9 | 5,000 | b |
| Hydrazine | 302-01-2 | 15,000 | b |
| Hydrochloric acid (conc 37% or greater). | 7647-01-0 | 15,000 | d |
| Hydrocyanic acid | 74-90-8 | 2,500 | a, b |
| Hydrogen chloride (anhydrous) [Hydrochloric acid]. | 7647-01-0 | 5,000 | a |
| Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid]. | 7664-39-3 | 1,000 | a, b |
| Hydrogen selenide. | 7783-07-5 | 500 | b |
| Hydrogen sulfide | 7783-06-4 | 10,000 | a, b |
| Iron, pentacarbonyl- [Iron carbonyl (Fe(CO) ₅), (TB-5-11)-]. | 13463-40-6 | 2,500 | b |
| Isobutyronitrile [Propanenitrile, 2-methyl-]. | 78-82-0 | 20,000 | b |
| Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester]. | 108-23-6 | 15,000 | b |
| Methacrylonitrile [2-Propenenitrile, 2-methyl-]. | 126-98-7 | 10,000 | b |
| Methyl chloride [Methane, chloro-]. | 74-87-3 | 10,000 | a |
| Methyl chloroformate [Carbonochloridic acid, methylester]. | 79-22-1 | 5,000 | b |

TABLE 1 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION—Continued

[Alphabetical Order—77 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|---|------------|--------------------------|-------------------|
| Methyl hydrazine [Hydrazine, methyl-]. | 60-34-4 | 15,000 | b |
| Methyl isocyanate [Methane, isocyanato-]. | 624-83-9 | 10,000 | a, b |
| Methyl mercaptan [Methanethiol]. | 74-93-1 | 10,000 | b |
| Methyl thiocyanate [Thiocyanic acid, methyl ester]. | 556-64-9 | 20,000 | b |
| Methyltrichlorosilane [Silane, trichloromethyl-]. | 75-79-6 | 5,000 | b |
| Nickel carbonyl ... | 13463-39-3 | 1,000 | b |
| Nitric acid (conc 80% or greater). | 7697-37-2 | 15,000 | b |
| Nitric oxide [Nitrogen oxide (NO)]. | 10102-43-9 | 10,000 | b |
| Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide] ¹ . | 8014-95-7 | 10,000 | e |
| Peracetic acid [Ethaneperoxyic acid]. | 79-21-0 | 10,000 | b |
| Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-]. | 594-42-3 | 10,000 | b |
| Phosgene [Carbonic dichloride]. | 75-44-5 | 500 | a, b |
| Phosphine | 7803-51-2 | 5,000 | b |
| Phosphorus oxychloride [Phosphoryl chloride]. | 10025-87-3 | 5,000 | b |
| Phosphorus trichloride [Phosphorous trichloride]. | 7719-12-2 | 15,000 | b |
| Piperidine | 110-89-4 | 15,000 | b |
| Propionitrile [Propanenitrile]. | 107-12-0 | 10,000 | b |
| Propyl chloroformate [Carbonochloridic acid, propylester]. | 109-61-5 | 15,000 | b |
| Propyleneimine [Aziridine, 2-methyl-]. | 75-55-8 | 10,000 | b |
| Propylene oxide [Oxirane, methyl-]. | 75-56-9 | 10,000 | b |
| Sulfur dioxide (anhydrous). | 7446-09-5 | 5,000 | a, b |

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TABLE 1 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION—Continued

[Alphabetical Order—77 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|---|-----------|--------------------------|-------------------|
| Sulfur tetrafluoride [Sulfur fluoride (SF ₄), (T-4)-]. | 7783-60-0 | 2,500 | b |
| Sulfur trioxide | 7446-11-9 | 10,000 | a, b |
| Tetramethyllead [Plumbane, tetramethyl-]. | 75-74-1 | 10,000 | b |
| Tetranitromethane [Methane, tetranitro-]. | 509-14-8 | 10,000 | b |
| Titanium tetrachloride [Titanium chloride (TiCl ₄) (T-4)-]. | 7550-45-0 | 2,500 | b |
| Toluene 2,4-diisocyanate [Benzene, 2,4-diisocyanato-1-methyl-] ¹ . | 584-84-9 | 10,000 | a |
| Toluene 2,6-diisocyanate [Benzene, 1,3-diisocyanato-2-methyl-] ¹ . | 91-08-7 | 10,000 | a |

TABLE 1 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION—Continued

[Alphabetical Order—77 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|---|------------|--------------------------|-------------------|
| Toluene diisocyanate (unspecified isomer) [Benzene, 1,3-diisocyanatomethyl-] ¹ . | 26471-62-5 | 10,000 | a |
| Trimethylchlorosilane [Silane, chlorotrimethyl-]. | 75-77-4 | 10,000 | b |
| Vinyl acetate monomer [Acetic acid ethenyl ester]. | 108-05-4 | 15,000 | b |

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

NOTE: Basis for Listing:
 a Mandated for listing by Congress.
 b On EHS list, vapor pressure 10 mmHg or greater.
 c Toxic gas.
 d Toxicity of hydrogen chloride, potential to release hydrogen chloride, and history of accidents.
 e Toxicity of sulfur trioxide and sulfuric acid, potential to release sulfur trioxide, and history of accidents.

TABLE 2 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION
 [CAS Number Order—77 Substances]

| CAS No. | Chemical name | Threshold quantity (lbs) | Basis for listing |
|----------------|---|--------------------------|-------------------|
| 50-00-0 | Formaldehyde (solution) | 15,000 | b |
| 57-14-7 | 1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-] | 15,000 | b |
| 60-34-4 | Methyl hydrazine [Hydrazine, methyl-] | 15,000 | b |
| 67-66-3 | Chloroform [Methane, trichloro-] | 20,000 | b |
| 74-87-3 | Methyl chloride [Methane, chloro-] | 10,000 | a |
| 74-90-8 | Hydrocyanic acid | 2,500 | a, b |
| 74-93-1 | Methyl mercaptan [Methanethiol] | 10,000 | b |
| 75-15-0 | Carbon disulfide | 20,000 | b |
| 75-21-8 | Ethylene oxide [Oxirane] | 10,000 | a, b |
| 75-44-5 | Phosgene [Carbonic dichloride] | 500 | a, b |
| 75-55-8 | Propyleneimine [Aziridine, 2-methyl-] | 10,000 | b |
| 75-56-9 | Propylene oxide [Oxirane, methyl-] | 10,000 | b |
| 75-74-1 | Tetramethyllead [Plumbane, tetramethyl-] | 10,000 | b |
| 75-77-4 | Trimethylchlorosilane [Silane, chlorotrimethyl-] | 10,000 | b |
| 75-78-5 | Dimethyldichlorosilane [Silane, dichlorodimethyl-] | 5,000 | b |
| 75-79-6 | Methyltrichlorosilane [Silane, trichloromethyl-] | 5,000 | b |
| 78-82-0 | Isobutyronitrile [Propanenitrile, 2-methyl-] | 20,000 | b |
| 79-21-0 | Peracetic acid [Ethaneperoxy acid] | 10,000 | b |
| 79-22-1 | Methyl chloroformate [Carbonochloridic acid, methylester] | 5,000 | b |
| 91-08-7 | Toluene 2,6-diisocyanate [Benzene, 1,3-diisocyanato-2-methyl-] ¹ | 10,000 | a |
| 106-89-8 | Epichlorohydrin [Oxirane, (chloromethyl)-] | 20,000 | b |
| 107-02-8 | Acrolein [2-Propenal] | 5,000 | b |
| 107-11-9 | Allylamine [2-Propen-1-amine] | 10,000 | b |
| 107-12-0 | Propionitrile [Propanenitrile] | 10,000 | b |
| 107-13-1 | Acrylonitrile [2-Propenenitrile] | 20,000 | b |
| 107-15-3 | Ethylenediamine [1,2-Ethanediamine] | 20,000 | b |
| 107-18-6 | Allyl alcohol [2-Propen-1-ol] | 15,000 | b |
| 107-30-2 | Chloromethyl methyl ether [Methane, chloromethoxy-] | 5,000 | b |
| 108-05-4 | Vinyl acetate monomer [Acetic acid ethenyl ester] | 15,000 | b |
| 108-23-6 | Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester] | 15,000 | b |
| 108-91-8 | Cyclohexylamine [Cyclohexanamine] | 15,000 | b |

TABLE 2 TO § 68.130—LIST OF REGULATED TOXIC SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION—Continued
[CAS Number Order—77 Substances]

| CAS No. | Chemical name | Threshold quantity (lbs) | Basis for listing |
|------------|--|--------------------------|-------------------|
| 109-61-5 | Propyl chloroformate [Carbonochloridic acid, propylester] | 15,000 | b |
| 110-00-9 | Furan | 5,000 | b |
| 110-89-4 | Piperidine | 15,000 | b |
| 123-73-9 | Crotonaldehyde, (E)- [2-Butenal, (E)-] | 20,000 | b |
| 126-98-7 | Methacrylonitrile [2-Propenenitrile, 2-methyl-] | 10,000 | b |
| 151-56-4 | Ethyleneimine [Aziridine] | 10,000 | b |
| 302-01-2 | Hydrazine | 15,000 | b |
| 353-42-4 | Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro[oxybis(methane)]-, T-4- | 15,000 | b |
| 506-77-4 | Cyanogen chloride | 10,000 | c |
| 509-14-8 | Tetranitromethane [Methane, tetranitro-] | 10,000 | b |
| 542-88-1 | Chloromethyl ether [Methane, oxybis(chloro-)] | 1,000 | b |
| 556-64-9 | Methyl thiocyanate [Thiocyanic acid, methyl ester] | 20,000 | b |
| 584-84-9 | Toluene 2,4-diisocyanate [Benzene, 2,4-diisocyanato-1-methyl-] ¹ | 10,000 | a |
| 594-42-3 | Perchloromethylmercaptan [Methanesulfonyl chloride, trichloro-] | 10,000 | b |
| 624-83-9 | Methyl isocyanate [Methane, isocyanato-] | 10,000 | a, b |
| 814-68-6 | Acrylyl chloride [2-Propenoyl chloride] | 5,000 | b |
| 4170-30-3 | Crotonaldehyde [2-Butenal] | 20,000 | b |
| 7446-09-5 | Sulfur dioxide (anhydrous) | 5,000 | a, b |
| 7446-11-9 | Sulfur trioxide | 10,000 | a, b |
| 7550-45-0 | Titanium tetrachloride [Titanium chloride (TiCl ₄) (T-4)-] | 2,500 | b |
| 7637-07-2 | Boron trifluoride [Borane, trifluoro-] | 5,000 | b |
| 7647-01-0 | Hydrochloric acid (conc 37% or greater) | 15,000 | d |
| 7647-01-0 | Hydrogen chloride (anhydrous) [Hydrochloric acid] | 5,000 | a |
| 7664-39-3 | Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid] | 1,000 | a, b |
| 7664-41-7 | Ammonia (anhydrous) | 10,000 | a, b |
| 7664-41-7 | Ammonia (conc 20% or greater) | 20,000 | a, b |
| 7697-37-2 | Nitric acid (conc 80% or greater) | 15,000 | b |
| 7719-12-2 | Phosphorus trichloride [Phosphorous trichloride] | 15,000 | b |
| 7726-95-6 | Bromine | 10,000 | a, b |
| 7782-41-4 | Fluorine | 1,000 | b |
| 7782-50-5 | Chlorine | 2,500 | a, b |
| 7783-06-4 | Hydrogen sulfide | 10,000 | a, b |
| 7783-07-5 | Hydrogen selenide | 500 | b |
| 7783-60-0 | Sulfur tetrafluoride [Sulfur fluoride (SF ₄) (T-4)-] | 2,500 | b |
| 7784-34-1 | Arsenous trichloride | 15,000 | b |
| 7784-42-1 | Arsine | 1,000 | b |
| 7803-51-2 | Phosphine | 5,000 | b |
| 8014-95-7 | Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide] ¹ | 10,000 | e |
| 10025-87-3 | Phosphorus oxychloride [Phosphoryl chloride] | 5,000 | b |
| 10049-04-4 | Chlorine dioxide [Chlorine oxide (ClO ₂)] | 1,000 | c |
| 10102-43-9 | Nitric oxide [Nitrogen oxide (NO)] | 10,000 | b |
| 10294-34-5 | Boron trichloride [Borane, trichloro-] | 5,000 | b |
| 13463-39-3 | Nickel carbonyl | 1,000 | b |
| 13463-40-6 | Iron, pentacarbonyl- [Iron carbonyl (Fe(CO) ₅), (TB-5-11)-] | 2,500 | b |
| 19287-45-7 | Diborane | 2,500 | b |
| 26471-62-5 | Toluene diisocyanate (unspecified isomer) [Benzene, 1,3-diisocyanatomethyl-] ¹ | 10,000 | a |

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

NOTE: Basis for Listing:

- a Mandated for listing by Congress.
- b On EHS list, vapor pressure 10 mmHg or greater.
- c Toxic gas.
- d Toxicity of hydrogen chloride, potential to release hydrogen chloride, and history of accidents.
- e Toxicity of sulfur trioxide and sulfuric acid, potential to release sulfur trioxide, and history of accidents.

TABLE 3 TO § 68.130—LIST OF REGULATED FLAMMABLE SUBSTANCES ¹ AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION
[Alphabetical Order—63 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|--|----------|--------------------------|-------------------|
| Acetaldehyde | 75-07-0 | 10,000 | g |
| Acetylene [Ethyne] | 74-86-2 | 10,000 | f |
| Bromotrifluoroethylene [Ethene, bromotrifluoro-] | 598-73-2 | 10,000 | f |

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TABLE 3 TO § 68.130—LIST OF REGULATED FLAMMABLE SUBSTANCES¹ AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION—Continued
[Alphabetical Order—63 Substances]

| Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|--|------------|--------------------------|-------------------|
| 1,3-Butadiene | 106-99-0 | 10,000 | f |
| Butane | 106-97-8 | 10,000 | f |
| 1-Butene | 106-98-9 | 10,000 | f |
| 2-Butene | 107-01-7 | 10,000 | f |
| Butene | 25167-67-3 | 10,000 | f |
| 2-Butene-cis | 590-18-1 | 10,000 | f |
| 2-Butene-trans [2-Butene, (E)] | 624-64-6 | 10,000 | f |
| Carbon oxysulfide [Carbon oxide sulfide (COS)] | 463-58-1 | 10,000 | f |
| Chlorine monoxide [Chlorine oxide] | 7791-21-1 | 10,000 | f |
| 2-Chloropropylene [1-Propene, 2-chloro-] | 557-98-2 | 10,000 | g |
| 1-Chloropropylene [1-Propene, 1-chloro-] | 590-21-6 | 10,000 | g |
| Cyanogen [Ethanedinitrile] | 460-19-5 | 10,000 | f |
| Cyclopropane | 75-19-4 | 10,000 | f |
| Dichlorosilane [Silane, dichloro-] | 4109-96-0 | 10,000 | f |
| Difluoroethane [Ethane, 1,1-difluoro-] | 75-37-6 | 10,000 | f |
| Dimethylamine [Methanamine, N-methyl-] | 124-40-3 | 10,000 | f |
| 2,2-Dimethylpropane [Propane, 2,2-dimethyl-] | 463-82-1 | 10,000 | f |
| Ethane | 74-84-0 | 10,000 | f |
| Ethyl acetylene [1-Butyne] | 107-00-6 | 10,000 | f |
| Ethylamine [Ethanamine] | 75-04-7 | 10,000 | f |
| Ethyl chloride [Ethane, chloro-] | 75-00-3 | 10,000 | f |
| Ethylene [Ethene] | 74-85-1 | 10,000 | f |
| Ethyl ether [Ethane, 1,1'-oxybis-] | 60-29-7 | 10,000 | g |
| Ethyl mercaptan [Ethanethiol] | 75-08-1 | 10,000 | g |
| Ethyl nitrite [Nitrous acid, ethyl ester] | 109-95-5 | 10,000 | f |
| Hydrogen | 1333-74-0 | 10,000 | f |
| Isobutane [Propane, 2-methyl] | 75-28-5 | 10,000 | f |
| Isopentane [Butane, 2-methyl-] | 78-78-4 | 10,000 | g |
| Isoprene [1,3-Butadiene, 2-methyl-] | 78-79-5 | 10,000 | g |
| Isopropylamine [2-Propanamine] | 75-31-0 | 10,000 | g |
| Isopropyl chloride [Propane, 2-chloro-] | 75-29-6 | 10,000 | g |
| Methane | 74-82-8 | 10,000 | f |
| Methylamine [Methanamine] | 74-89-5 | 10,000 | f |
| 3-Methyl-1-butene | 563-45-1 | 10,000 | f |
| 2-Methyl-1-butene | 563-46-2 | 10,000 | g |
| Methyl ether [Methane, oxybis-] | 115-10-6 | 10,000 | f |
| Methyl formate [Formic acid, methyl ester] | 107-31-3 | 10,000 | g |
| 2-Methylpropene [1-Propene, 2-methyl-] | 115-11-7 | 10,000 | f |
| 1,3-Pentadiene | 504-60-9 | 10,000 | f |
| Pentane | 109-66-0 | 10,000 | g |
| 1-Pentene | 109-67-1 | 10,000 | g |
| 2-Pentene, (E)- | 646-04-8 | 10,000 | g |
| 2-Pentene, (Z)- | 627-20-3 | 10,000 | g |
| Propadiene [1,2-Propadiene] | 463-49-0 | 10,000 | f |
| Propane | 74-98-6 | 10,000 | f |
| Propylene [1-Propene] | 115-07-1 | 10,000 | f |
| Propyne [1-Propyne] | 74-99-7 | 10,000 | f |
| Silane | 7803-62-5 | 10,000 | f |
| Tetrafluoroethylene [Ethene, tetrafluoro-] | 116-14-3 | 10,000 | f |
| Tetramethylsilane [Silane, tetramethyl-] | 75-76-3 | 10,000 | g |
| Trichlorosilane [Silane, trichloro-] | 10025-78-2 | 10,000 | g |
| Trifluorochloroethylene [Ethene, chlorotrifluoro-] | 79-38-9 | 10,000 | f |
| Trimethylamine [Methanamine, N,N-dimethyl-] | 75-50-3 | 10,000 | f |
| Vinyl acetylene [1-Buten-3-yne] | 689-97-4 | 10,000 | f |
| Vinyl chloride [Ethene, chloro-] | 75-01-4 | 10,000 | a, f |
| Vinyl ethyl ether [Ethene, ethoxy-] | 109-92-2 | 10,000 | g |
| Vinyl fluoride [Ethene, fluoro-] | 75-02-5 | 10,000 | f |
| Vinylidene chloride [Ethene, 1,1-dichloro-] | 75-35-4 | 10,000 | g |
| Vinylidene fluoride [Ethene, 1,1-difluoro-] | 75-38-7 | 10,000 | f |
| Vinyl methyl ether [Ethene, methoxy-] | 107-25-5 | 10,000 | f |

¹ A flammable substance when used as a fuel or held for sale as a fuel at a retail facility is excluded from all provisions of this part (see § 68.126).

NOTE: Basis for Listing:

^a Mandated for listing by Congress.

^f Flammable gas.

^g Volatile flammable liquid.

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TABLE 4 TO § 68.130—LIST OF REGULATED FLAMMABLE SUBSTANCES ¹ AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION
[CAS Number Order—63 Substances]

| CAS No. | Chemical name | CAS No. | Threshold quantity (lbs) | Basis for listing |
|------------|--|------------|--------------------------|-------------------|
| 60-29-7 | Ethyl ether [Ethane, 1,1'-oxybis-] | 60-29-7 | 10,000 | g |
| 74-82-8 | Methane | 74-82-8 | 10,000 | f |
| 74-84-0 | Ethane | 74-84-0 | 10,000 | f |
| 74-85-1 | Ethylene [Ethene] | 74-85-1 | 10,000 | f |
| 74-86-2 | Acetylene [Ethyne] | 74-86-2 | 10,000 | f |
| 74-89-5 | Methylamine [Methanamine] | 74-89-5 | 10,000 | f |
| 74-98-6 | Propane | 74-98-6 | 10,000 | f |
| 74-99-7 | Propyne [1-Propyne] | 74-99-7 | 10,000 | f |
| 75-00-3 | Ethyl chloride [Ethane, chloro-] | 75-00-3 | 10,000 | f |
| 75-01-4 | Vinyl chloride [Ethene, chloro-] | 75-01-4 | 10,000 | a, f |
| 75-02-5 | Vinyl fluoride [Ethene, fluoro-] | 75-02-5 | 10,000 | f |
| 75-04-7 | Ethylamine [Ethanamine] | 75-04-7 | 10,000 | f |
| 75-07-0 | Acetaldehyde | 75-07-0 | 10,000 | g |
| 75-08-1 | Ethyl mercaptan [Ethanethiol] | 75-08-1 | 10,000 | g |
| 75-19-4 | Cyclopropane | 75-19-4 | 10,000 | f |
| 75-28-5 | Isobutane [Propane, 2-methyl] | 75-28-5 | 10,000 | f |
| 75-29-6 | Isopropyl chloride [Propane, 2-chloro-] | 75-29-6 | 10,000 | g |
| 75-31-0 | Isopropylamine [2-Propanamine] | 75-31-0 | 10,000 | g |
| 75-35-4 | Vinylidene chloride [Ethene, 1,1-dichloro-] | 75-35-4 | 10,000 | g |
| 75-37-6 | Difluoroethane [Ethane, 1,1-difluoro-] | 75-37-6 | 10,000 | f |
| 75-38-7 | Vinylidene fluoride [Ethene, 1,1-difluoro-] | 75-38-7 | 10,000 | f |
| 75-50-3 | Trimethylamine [Methanamine, N, N-dimethyl-] | 75-50-3 | 10,000 | f |
| 75-76-3 | Tetramethylsilane [Silane, tetramethyl-] | 75-76-3 | 10,000 | g |
| 78-78-4 | Isopentane [Butane, 2-methyl-] | 78-78-4 | 10,000 | g |
| 78-79-5 | Isoprene [1,3-Butadiene, 2-methyl-] | 78-79-5 | 10,000 | g |
| 79-38-9 | Trifluorochloroethylene [Ethene, chlorotrifluoro-] | 79-38-9 | 10,000 | f |
| 106-97-8 | Butane | 106-97-8 | 10,000 | f |
| 106-98-9 | 1-Butene | 106-98-9 | 10,000 | f |
| 196-99-0 | 1,3-Butadiene | 106-99-0 | 10,000 | f |
| 107-00-6 | Ethyl acetylene [1-Butyne] | 107-00-6 | 10,000 | f |
| 107-01-7 | 2-Butene | 107-01-7 | 10,000 | f |
| 107-25-5 | Vinyl methyl ether [Ethene, methoxy-] | 107-25-5 | 10,000 | f |
| 107-31-3 | Methyl formate [Formic acid, methyl ester] | 107-31-3 | 10,000 | g |
| 109-66-0 | Pentane | 109-66-0 | 10,000 | g |
| 109-67-1 | 1-Pentene | 109-67-1 | 10,000 | g |
| 109-92-2 | Vinyl ethyl ether [Ethene, ethoxy-] | 109-92-2 | 10,000 | g |
| 109-95-5 | Ethyl nitrite [Nitrous acid, ethyl ester] | 109-95-5 | 10,000 | f |
| 115-07-1 | Propylene [1-Propene] | 115-07-1 | 10,000 | f |
| 115-10-6 | Methyl ether [Methane, oxybis-] | 115-10-6 | 10,000 | f |
| 115-11-7 | 2-Methylpropene [1-Propene, 2-methyl-] | 115-11-7 | 10,000 | f |
| 116-14-3 | Tetrafluoroethylene [Ethene, tetrafluoro-] | 116-14-3 | 10,000 | f |
| 124-40-3 | Dimethylamine [Methanamine, N-methyl-] | 124-40-3 | 10,000 | f |
| 460-19-5 | Cyanogen [Ethanedinitrile] | 460-19-5 | 10,000 | f |
| 463-49-0 | Propadiene [1,2-Propadiene] | 463-49-0 | 10,000 | f |
| 463-58-1 | Carbon oxysulfide [Carbon oxide sulfide (COS)] | 463-58-1 | 10,000 | f |
| 463-82-1 | 2,2-Dimethylpropane [Propane, 2,2-dimethyl-] | 463-82-1 | 10,000 | f |
| 504-60-9 | 1,3-Pentadiene | 504-60-9 | 10,000 | f |
| 557-98-2 | 2-Chloropropylene [1-Propene, 2-chloro-] | 557-98-2 | 10,000 | g |
| 563-45-1 | 3-Methyl-1-butene | 563-45-1 | 10,000 | f |
| 563-46-2 | 2-Methyl-1-butene | 563-46-2 | 10,000 | g |
| 590-18-1 | 2-Butene-cis | 590-18-1 | 10,000 | f |
| 590-21-6 | 1-Chloropropylene [1-Propene, 1-chloro-] | 590-21-6 | 10,000 | g |
| 598-73-2 | Bromotrifluoroethylene [Ethene, bromotrifluoro-] | 598-73-2 | 10,000 | f |
| 624-64-6 | 2-Butene-trans [2-Butene, (E)] | 624-64-6 | 10,000 | f |
| 627-20-3 | 2-Pentene, (Z)- | 627-20-3 | 10,000 | g |
| 646-04-8 | 2-Pentene, (E)- | 646-04-8 | 10,000 | g |
| 689-97-4 | Vinyl acetylene [1-Buten-3-yne] | 689-97-4 | 10,000 | f |
| 1333-74-0 | Hydrogen | 1333-74-0 | 10,000 | f |
| 4109-96-0 | Dichlorosilane [Silane, dichloro-] | 4109-96-0 | 10,000 | f |
| 7791-21-1 | Chlorine monoxide [Chlorine oxide] | 7791-21-1 | 10,000 | f |
| 7803-62-5 | Silane | 7803-62-5 | 10,000 | f |
| 10025-78-2 | Trichlorosilane [Silane, trichloro-] | 10025-78-2 | 10,000 | g |
| 25167-67-3 | Butene | 25167-67-3 | 10,000 | f |

¹ A flammable substance when used as a fuel or held for sale as a fuel at a retail facility is excluded from all provisions of this part (see § 68.126).

NOTE: Basis for Listing:
* Mandated for listing by Congress.

¹Flammable gas.
⁹Volatile flammable liquid.

[59 FR 4493, Jan. 31, 1994. Redesignated at 61 FR 31717, June 20, 1996, as amended at 62 FR 45132, Aug. 25, 1997; 63 FR 645, Jan. 6, 1998; 65 FR 13250, Mar. 13, 2000]

Subpart G—Risk Management Plan

SOURCE: 61 FR 31726, June 20, 1996, unless otherwise noted.

§ 68.150 Submission.

(a) The owner or operator shall submit a single RMP that includes the information required by §§ 68.155 through 68.185 for all covered processes. The RMP shall be submitted in the method and format to the central point specified by EPA as of the date of submission.

(b) The owner or operator shall submit the first RMP no later than the latest of the following dates:

(1) June 21, 1999;

(2) Three years after the date on which a regulated substance is first listed under § 68.130; or

(3) The date on which a regulated substance is first present above a threshold quantity in a process.

(c) The owner or operator of any stationary source for which an RMP was submitted before June 21, 2004, shall revise the RMP to include the information required by § 68.160(b)(6) and (14) by June 21, 2004 in the manner specified by EPA prior to that date. Any such submission shall also include the information required by § 68.160(b)(20) (indicating that the submission is a correction to include the information required by § 68.160(b)(6) and (14) or an update under § 68.190).

(d) RMPs submitted under this section shall be updated and corrected in accordance with §§ 68.190 and 68.195.

(e) Notwithstanding the provisions of §§ 68.155 to 68.190, the RMP shall exclude classified information. Subject to appropriate procedures to protect such information from public disclosure, classified data or information excluded from the RMP may be made available in a classified annex to the RMP for review by Federal and state representatives who have received the appropriate security clearances.

(f) Procedures for asserting that information submitted in the RMP is entitled to protection as confidential business information are set forth in §§ 68.151 and 68.152.

[61 FR 31726, June 20, 1996, as amended at 64 FR 979, Jan. 6, 1999; 69 FR 18831, Apr. 9, 2004]

§ 68.151 Assertion of claims of confidential business information.

(a) Except as provided in paragraph (b) of this section, an owner or operator of a stationary source required to report or otherwise provide information under this part may make a claim of confidential business information for any such information that meets the criteria set forth in 40 CFR 2.301.

(b) Notwithstanding the provisions of 40 CFR part 2, an owner or operator of a stationary source subject to this part may not claim as confidential business information the following information:

(1) Registration data required by § 68.160(b)(1) through (b)(6) and (b)(8), (b)(10) through (b)(13) and NAICS code and Program level of the process set forth in § 68.160(b)(7);

(2) Offsite consequence analysis data required by § 68.165(b)(4), (b)(9), (b)(10), (b)(11), and (b)(12).

(3) Accident history data required by § 68.168;

(4) Prevention program data required by § 68.170(b), (d), (e)(1), (f) through (k);

(5) Prevention program data required by § 68.175(b), (d), (e)(1), (f) through (p); and

(6) Emergency response program data required by § 68.180.

(c) Notwithstanding the procedures specified in 40 CFR part 2, an owner or operator asserting a claim of CBI with respect to information contained in its RMP, shall submit to EPA at the time it submits the RMP the following:

(1) The information claimed confidential, provided in a format to be specified by EPA;

(2) A sanitized (redacted) copy of the RMP, with the notation "CBI" substituted for the information claimed