APPENDIX D

STATE OF CALIFORNIA LIST OF REGULATED SUBSTANCES AND THRESHOLD QUANTITIES FOR ACCIDENTAL RELEASE PREVENTION

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Acetone Cyanohydrin[2]	no	75-86-5	1,000
Acetone Thiosemicarbazide	no	1752-30-3	1,000/10,000[3]
Acrolein	yes	107-02-8	500
Acrylamide	no	79-06-1	1,000/10,000[3]
Acrylonitrile	yes	107-13-1	10,000
Acrylyl Chloride	yes	814-68-6	100
Aldicarb	no	116-06-3	100/10,000[3]
Aldrin	no	309-00-2	500/10,000[3]
Allyl Alcohol	yes	107-18-6	1,000
Allylamine	yes	107-11-9	500
Aluminum Phosphide[4]	no	20859-73-8	500
Aminopterin	no	54-62-6	500/10,000[3]
Amiton Oxalate	no	3734-97-2	100/10,000[3]
Ammonia[5]	yes	7664-41-7	500
Aniline[2]	no	62-53-3	1,000
Antimycin A	no	1397-94-0	1,000/10,000[3]
ANTU	no	86-88-4	500/10,000[3]
Arsenic Pentoxide	no	1303-28-2	100/10,000[3]
Arsenous Oxide	no	1327-53-3	100/10,000[3]
Arsenous Trichloride	yes	7784-34-1	500
Arsine	yes	7784-42-1	100
Azinphos-Ethyl	no	2642-71-9	100/10,000[3]
Azinphos-Methyl	no	86-50-0	10/10,000[3]
Benzene, 1-(Chloromethyl)-4-Nitro-	no	100-14-1	500/10,000[3]
Benzenearsonic Acid	no	98-05-5	10/10,000[3]
Benzimidazole, 4,5-Dichloro-2-(Trifluoromethyl)-	no	3615-21-2	500/10,000[3]
Benzotrichloride[2]	no	98-07-7	100
Bicyclo[2.2.1] Heptane-2-Carbonitrile, 5-Chloro- 6-((((Methylamino) Carbonyl)Oxy)Imino)-, (1s-(1-alpha, 2-beta, 4-alpha, 5-alpha, 6E))-.	no	15271-41-7	500/10,000[3]
Bis(Chloromethyl) Ketone	no	534-07-6	10/10,000[3]
Bitoscanate	no	4044-65-9	500/10,000[3]
Boron Trichloride	yes	10294-34-5	500
Boron Trifluoride	yes	7637-07-2	500
Boron Trifluoride Compound w/ Methyl Ether (1:1)	yes	353-42-4	1,000
Bromadiolone	no	28772-56-7	100/10,000[3]
Bromine	yes	7726-95-6	500
Cadmium Oxide	no	1306-19-0	100/10,000[3]
Cadmium Stearate	no	2223-93-0	1,000/10,000[3]
Calcium Arsenate	no	7778-44-1	500/10,000[3]
Camphechlor	no	8001-35-2	500/10,000[3]
Cantharidin	no	56-25-7	100/10,000[3]

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Carbachol Chloride	no	51-83-2	500/10,000 [3]
Carbamic Acid, Methyl-,o-(((2,4-Dimethyl-1, 3-Dithiolan-2-yl)Methylene) Amino)-.	no	26419-73-8	100/10,000 [3]
Carbofuran	no	1563-66-2	10/10,000 [3]
Carbon Disulfide	yes	75-15-0	10,000
Chlorine	yes	7782-50-5	100
Chlormequat Chloride	no	999-81-5	100/10,000 [3]
Chloroacetic Acid	no	79-11-8	100/10,000 [3]
Chloroform	yes	67-66-3	10,000
Chloromethyl Ether	yes	542-88-1	100
Chloromethyl Methyl Ether	yes	107-30-2	100
Chlorophacinone	no	3691-35-8	100/10,000 [3]
Chloroxuron	no	1982-47-4	500/10,000 [3]
Chromic Chloride	no	10025-73-7	1/10,000 [3]
Cobalt Carbonyl	no	10210-68-1	10/10,000 [3]
Cobalt, ((2,2'-(1,2-Ethanediylbis (Nitrilomethylidyne)) Bis(6-Fluorophenolato))(2-)-N,N',O,O')-.	no	62207-76-5	100/10,000 [3]
Colchicine	no	64-86-8	10/10,000 [3]
Coumaphos	no	56-72-4	100/10,000 [3]
Coumatetralyl	no	5836-29-3	500/10,000 [3]
Cresol, o-	no	95-48-7	1,000/10,000 [3]
Crimidine	no	535-89-7	100/10,000 [3]
Crotonaldehyde	yes	4170-30-3	1,000
Crotonaldehyde, (E)-	yes	123-73-9	1,000
Cyanogen Bromide	no	506-68-3	500/10,000 [3]
Cyanogen Iodide	no	506-78-5	1,000/10,000 [3]
Cyanuric Fluoride	no	675-14-9	100
Cycloheximide	no	66-81-9	100/10,000 [3]
Cyclohexylamine	yes	108-91-8	10,000
Decaborane(14)	no	17702-41-9	500/10,000 [3]
Dialifor	no	10311-84-9	100/10,000 [3]
Diborane	yes	19287-45-7	100
Diepoxybutane [2]	no	1464-53-5	500
Digitoxin	no	71-63-6	100/10,000 [3]
Digoxin	no	20830-75-5	10/10,000 [3]
Dimethoate	no	60-51-5	500/10,000 [3]
Dimethyldichlorosilane	yes	75-78-5	500
Dimethylhydrazine	yes	57-14-7	1,000
Dimethyl-p-Phenylenediamine	no	99-98-9	10/10,000 [3]
Dimethyl Sulfate [2]	no	77-78-1	500
Dimetilan	no	644-64-4	500/10,000 [3]

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Dinitrocresol	no	534-52-1	10/10,000 [3]
Dinoseb	no	88-85-7	100/10,000 [3]
Dinoterb	no	1420-07-1	500/10,000 [3]
Diphacinone	no	82-66-6	10/10,000 [3]
Disulfoton [2]	no	298-04-4	500
Dithiazanine Iodide	no	514-73-8	500/10,000 [3]
Dithiobiuret	no	541-53-7	100/10,000 [3]
Emetine, Dihydrochloride	no	316-42-7	1/10,000 [3]
Endosulfan	no	115-29-7	10/10,000 [3]
Endothion	no	2778-04-3	500/10,000 [3]
Endrin	no	72-20-8	500/10,000 [3]
Epichlorohydrin	yes	106-89-8	1,000
EPN	no	2104-64-5	100/10,000 [3]
Ergocalciferol	no	50-14-6	1,000/10,000 [3]
Ergotamine Tartrate	no	379-79-3	500/10,000 [3]
Ethylenediamine	yes	107-15-3	10,000
Ethylene Fluorohydrin	no	371-62-0	10
Ethyleneimine	yes	151-56-4	500
Ethylene Oxide	yes	75-21-8	1,000
Fenamiphos	no	22224-92-6	10/10,000 [3]
Fluenetil	no	4301-50-2	100/10,000 [3]
Fluorine	yes	7782-41-4	500
Fluoroacetamide	no	640-19-7	100/10,000 [3]
Fluoroacetic Acid	no	144-49-0	10/10,000 [3]
Fluoroacetyl Chloride	no	359-06-8	10
Fluorouracil	no	51-21-8	500/10,000 [3]
Formaldehyde [5]	yes	50-00-0	500
Formetanate Hydrochloride	no	23422-53-9	500/10,000 [3]
Formparanate	no	17702-57-7	100/10,000 [3]
Fuberidazole	no	3878-19-1	100/10,000 [3]
Furan	yes	110-00-9	500
Gallium Trichloride	no	13450-90-3	500/10,000 [3]
Hydrazine	yes	302-01-2	1,000
Hydrocyanic Acid	yes	74-90-8	100
Hydrogen Chloride (gas only)	yes	7647-01-0	500
Hydrogen Fluoride	yes	7664-39-3	100
Hydrogen Selenide	yes	7783-07-5	10
Hydrogen Sulfide	yes	7783-06-4	500
Hydroquinone [6]	no	123-31-9	500/10,000 [3]
Iron, Pentacarbonyl-	yes	13463-40-6	100
Isobenzan	no	297-78-9	100/10,000 [3]
Isobutyronitrile	yes	78-82-0	1,000

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Isocyanic Acid, 3,4-Dichlorophenyl Ester	no	102-36-3	500/10,000 [3]
Isodrin	no	465-73-6	100/10,000 [3]
Isophorone Diisocyanate	no	4098-71-9	100
Isopropyl Chloroformate	yes	108-23-6	1,000
Leptophos	no	21609-90-5	500/10,000 [3]
Lewisite [2]	no	541-25-3	10
Lindane	no	58-89-9	1,000/10,000 [3]
Lithium Hydride [4]	no	7580-67-8	100
Malononitrile	no	109-77-3	500/10,000 [3]
Manganese, Tricarbonyl Methylcyclopentadienyl [2]	no	12108-13-3	100
Mechlorethamine [2]	no	51-75-2	10
Mercuric Acetate	no	1600-27-7	500/10,000 [3]
Mercuric Chloride	no	7487-94-7	500/10,000 [3]
Mercuric Oxide	no	21908-53-2	500/10,000 [3]
Methacrylonitrile	yes	126-98-7	500
Methacryloyl Chloride	no	920-46-7	100
Methacryloyloxyethyl Isocyanate	no	30674-80-7	100
Methamidophos	no	10265-92-6	100/10,000 [3]
Methanesulfonyl Fluoride	no	558-25-8	1,000
Methidathion	no	950-37-8	500/10,000 [3]
Methiocarb	no	2032-65-7	500/10,000 [3]
Methomyl	no	16752-77-5	500/10,000 [3]
Methoxyethylmercuric Acetate	no	151-38-2	500/10,000 [3]
Methyl Bromide	no	74-83-9	1,000
Methyl 2-Chloroacrylate	no	80-63-7	500
Methyl Chloroformate	yes	79-22-1	500
Methyl Hydrazine	yes	60-34-4	500
Methyl Isocyanate	yes	624-83-9	500
Methyl Isothiocyanate [4]	no	556-61-6	500
Methyl Mercaptan	yes	74-93-1	500
Methylmercuric Dicyanamide	no	502-39-6	500/10,000 [3]
Methyl Phosphonic Dichloride [4]	no	676-97-1	100
Methyl Thiocyanate	yes	556-64-9	10,000
Methyltrichlorosilane	yes	75-79-6	500
Methyl Vinyl Ketone	no	78-94-4	10
Metolcarb	no	1129-41-5	100/10,000 [3]
Mexacarbate	no	315-18-4	500/10,000 [3]
Mitomycin C	no	50-07-7	500/10,000 [3]
Monocrotophos	no	6923-22-4	10/10,000 [3]
Muscimol	no	2763-96-4	500/10,000 [3]
Mustard Gas [2]	no	505-60-2	500
Nickel Carbonyl	yes	13463-39-3	1

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Nicotine Sulfate	no	65-30-5	100/10,000 [3]
Nitric Acid	yes	7697-37-2	1,000
Nitric Oxide	yes	10102-43-9	100
Nitrobenzene [2]	no	98-95-3	10,000
Nitrogen Dioxide	no	10102-44-0	100
Norbormide	no	991-42-4	100/10,000 [3]
Organorhodium Complex (PMN-82-147)	no	MIXTURE	10/10,000 [3]
Ouabain	no	630-60-4	100/10,000 [3]
Oxamyl	no	23135-22-0	100/10,000 [3]
Ozone	no	10028-15-6	100
Paraquat Dichloride	no	1910-42-5	10/10,000 [3]
Paraquat Methosulfate	no	2074-50-2	10/10,000 [3]
Parathion-Methyl	no	298-00-0	100/10,000 [3]
Paris Green	no	12002-03-8	500/10,000 [3]
Pentaborane	no	19624-22-7	500
Pentadecylamine	no	2570-26-5	100/10,000 [3]
Peracetic Acid	yes	79-21-0	500
Perchloromethylmercaptan	yes	594-42-3	500
Phenol	no	108-95-2	500/10,000 [3]
Phenol, 2,2'-Thiobis(4-Chloro-6-Methyl)-	no	4418-66-0	100/10,000 [3]
Phenol, 3-(1-Methylethyl)-, Methylcarbamate	no	64-00-6	500/10,000 [3]
Phenoxarsine, 10, 10' - Oxydi-	no	58-36-6	500/10,000 [3]
Phenyl Dichloroarsine [2]	no	696-28-6	500
Phenylhydrazine Hydrochloride	no	59-88-1	1,000/10,000 [3]
Phenylmercury Acetate	no	62-38-4	500/10,000 [3]
Phenylsilatrane	no	2097-19-0	100/10,000 [3]
Phenylthiourea	no	103-85-5	100/10,000 [3]
Phorate [2]	no	298-02-2	10
Phosacetim	no	4104-14-7	100/10,000 [3]
Phosfolan	no	947-02-4	100/10,000 [3]
Phosgene	yes	75-44-5	10
Phosmet	no	732-11-6	10/10,000 [3]
Phosphine	yes	7803-51-2	500
Phosphonothioic Acid, Methyl-, S-(2-(Bis(1-Methylethyl)Amino)Ethyl) O-Ethyl Ester. [2]	no	50782-69-9	100
Phosphorus [4]	no	7723-14-0	100
Phosphorus Oxychloride	yes	10025-87-3	500
Phosphorus Pentachloride [4]	no	10026-13-8	500
Phosphorus Trichloride	yes	7719-12-2	1,000
Physostigmine	no	57-47-6	100/10,000 [3]
Physostigmine, Salicylate (1:1)	no	57-64-7	100/10,000 [3]

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Picrotoxin	no	124-87-8	500/10,000 [3]
Piperidine	yes	110-89-4	1,000
Potassium Arsenite	no	10124-50-2	500/10,000 [3]
Potassium Cyanide [4]	no	151-50-8	100
Potassium Silver Cyanide [4]	no	506-61-6	500
Promecarb	no	2631-37-0	500/10,000 [3]
Propargyl Bromide	no	106-96-7	10
Propiolactone, Beta- [2]	no	57-57-8	500
Propionitrile	yes	107-12-0	500
Propiophenone, 4-Amino-	no	70-69-9	100/10,000 [3]
Propyl Chloroformate	yes	109-61-5	500
Propylene Oxide	yes	75-56-9	10,000
Propyleneimine	yes	75-55-8	10,000
Prothoate	no	2275-18-5	100/10,000 [3]
Pyrene	no	129-00-0	1,000/10,000 [3]
Pyridine, 4-Amino-	no	504-24-5	500/10,000 [3]
Pyridine, 4-Nitro-, 1-Oxide	no	1124-33-0	500/10,000 [3]
Pyriminil	no	53558-25-1	100/10,000 [3]
Salcomine	no	14167-18-1	500/10,000 [3]
Sarin [2]	no	107-44-8	10
Selenious Acid	no	7783-00-8	1,000/10,000 [3]
Semicarbazide Hydrochloride	no	563-41-7	1,000/10,000 [3]
Sodium Arsenate	no	7631-89-2	1,000/10,000 [3]
Sodium Arsenite	no	7784-46-5	500/10,000 [3]
Sodium Azide (Na (N3)) [4]	no	26628-22-8	500
Sodium Cacodylate	no	124-65-2	100/10,000 [3]
Sodium Cyanide (Na (CN)) [4]	no	143-33-9	100
Sodium Fluoroacetate	no	62-74-8	10/10,000 [3]
Sodium Selenate	no	13410-01-0	100/10,000 [3]
Sodium Selenite	no	10102-18-8	100/10,000 [3]
Sodium Tellurite	no	10102-20-2	500/10,000 [3]
Stannane, Acetoxytriphenyl-	no	900-95-8	500/10,000 [3]
Strychnine	no	57-24-9	100/10,000 [3]
Strychnine Sulfate	no	60-41-3	100/10,000 [3]
Sulfur Dioxide	yes	7446-09-5	500
Sulfuric Acid [7]	no	7664-93-9	1,000
Sulfur Tetrafluoride	yes	7783-60-0	100
Sulfur Trioxide [4]	yes	7446-11-9	100
Tabun [2]	no	77-81-6	10
Tellurium Hexafluoride	no	7783-80-4	100

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

Chemical Name	Also on Table 1[1]	CAS Number	State Threshold Quantity (lbs)
Tetramethyllead	yes	75-74-1	100
Tetranitromethane	yes	509-14-8	500
Thallium Sulfate	no	10031-59-1	100/10,000 [3]
Thallous Carbonate	no	6533-73-9	100/10,000 [3]
Thallous Chloride	no	7791-12-0	100/10,000 [3]
Thallous Malonate	no	2757-18-8	100/10,000 [3]
Thallous Sulfate	no	7446-18-6	100/10,000 [3]
Thiocarbazide	no	2231-57-4	1,000/10,000 [3]
Thiofanox	no	39196-18-4	100/10,000 [3]
Thiosemicarbazide	no	79-19-6	100/10,000 [3]
Thiourea, (2-Chlorophenyl)-	no	5344-82-1	100/10,000 [3]
Thiourea, (2-Methylphenyl)-	no	614-78-8	500/10,000 [3]
Titanium Tetrachloride	yes	7550-45-0	100
Toluene-2,4-Diisocyanate [8]	yes	584-84-9	500
Toluene-2,6-Diisocyanate [8]	yes	91-08-7	100
Triamiphos	no	1031-47-6	500/10,000 [3]
Trichloro(Chloromethyl)Silane	no	1558-25-4	100
Trichloro(Dichlorophenyl)Silane	no	27137-85-5	500
Triethoxysilane	no	998-30-1	500
Trimethylchlorosilane	yes	75-77-4	1,000
Trimethylolpropane Phosphite	no	824-11-3	100/10,000 [3]
Trimethyltin Chloride	no	1066-45-1	500/10,000 [3]
Triphenyltin Chloride	no	639-58-7	500/10,000 [3]
Tris(2-Chloroethyl)Amine [2]	no	555-77-1	100
Valinomycin	no	2001-95-8	1,000/10,000 [3]
Vanadium Pentoxide	no	1314-62-1	100/10,000 [3]
Vinyl Acetate Monomer	yes	108-05-4	1,000
Warfarin	no	81-81-2	500/10,000 [3]
Warfarin Sodium	no	129-06-6	100/10,000 [3]
Xylylene Dichloride	no	28347-13-9	100/10,000 [3]
Zinc, Dichloro(4,4-Dimethyl-5((((Methylamino) Carbonyl)Oxy)Imino) Pentanenitrile)-, (T-4)-.	no	58270-08-9	100/10,000 [3]
Zinc Phosphide [4]	no	1314-84-7	500

1 This column identifies substances which may appear on Table 1. Table 1 may have concentration limitations.

2 Substances that failed the evaluation pursuant to Section 25532(g)(2) of the HSC but remain listed pursuant to potential health impacts. The exemption in Section 2770.2(b)(1)(B) regarding portions of a process where these regulated substances are handled at partial pressures below 10 mm Hg does not apply to these substances.

3 These extremely hazardous substances are solids. The lesser quantity listed applies only if in powdered form and with a particle size of less than 100 microns; or if handled in solution or in molten form; or the substance has an NFPA rating for reactivity of 2, 3, or 4. Otherwise, a 10,000 pound threshold applies. The exemption in Section 2770.2(b)(1)(B) regarding portions of a process where these regulated substances are handled at partial pressures below 10 mm Hg does not apply to

these substances.

Table 3. State Regulated Substances List and Threshold Quantities for Accidental Release Prevention
(Continued)

4 These extremely hazardous substances are reactive solids. The exemption in Section 2770.2(b)(1)(B) regarding portions of a process where these regulated substances are handled at partial pressures below 10 mm Hg does not apply to these substances.

5 Appropriate synonyms or mixtures of extremely hazardous substances with the same CAS number are also regulated, e.g., formalin. The listing of ammonia includes anhydrous and aqueous forms of ammonia pursuant to Section 25532(g)(2).

6 Hydroquinone is exempt in crystalline form.

7 Sulfuric acid fails the evaluation pursuant to Section 25532(g)(2) of the HSC but remains listed as a Regulated Substance only under the following conditions:

a. If concentrated with greater than 100 pounds of sulfur trioxide or the acid meets the definition of oleum. (The Table 3 threshold for sulfur trioxide is 100 pounds.) (The Table 1 threshold for oleum is 10,000 pounds.)
b. If in a container with flammable hydrocarbons (flash point < 73° F).

8 The exemption in Section 2770.2(b)(1)(B) regarding portions of a process where these regulated substances are handled at partial pressures below 10 mm Hg does not apply to these substances.