

California Accidental Release Prevention Program Draft Proposal for the Phase 2 Regulatory Process (changes are reflected in *italics* deletions are reflected in ~~strikethrough~~)

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	1,000/40,000 ³
Acrolein	yes	107-02-8	500
Acrylamide	no	79-06-1	1,000/40,000 ³
Acrylonitrile	yes	107-13-1	10,000
Acrylyl Chloride	yes	814-68-6	100
Aldicarb	no	116-06-3	100/40,000 ³
Aldrin	no	309-00-2	500/40,000 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	500/40,000 ³
Amiton Oxalate	no	3734-97-2	100/40,000 ³
Ammonia (<i>anhydrous</i>) ⁵	yes	7664-41-7	500
Ammonia (<i>aqueous</i>) (<i>conc 20% or greater</i>) ⁵	yes	7664-41-7	1000
Ammonium Hydroxide (<i>conc of ammonia 20% or greater</i>) ⁵	yes	1336-21-6	1000
Aniline ²	no	62-53-3	1,000
Antimycin A	no	1397-94-0	1,000/40,000 ³
ANTU	no	86-88-4	500/40,000 ³
Arsenic Pentoxide	no	1303-28-2	100/40,000 ³
Arsenous Oxide	no	1327-53-3	100/40,000 ³
Arsenous Trichloride	yes	7784-34-1	500
Arsine	yes	7784-42-1	100
Azinphos-Ethyl	no	2642-71-9	100/40,000 ³
Azinphos-Methyl	no	86-50-0	10/40,000 ³
Benzene, 1-(Chloromethyl)-4-Nitro-	no	100-14-1	500/40,000 ³
Benzeneearsonic Acid	no	98-05-5	10/40,000 ³
Benzimidazole, 4,5-Dichloro-2-(Trifluoromethyl)-	no	3615-21-2	500/40,000 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	500/40,000 ³
Bis(Chloromethyl) Ketone	no	534-07-6	10/40,000 ³
Bitoscanate	no	4044-65-9	500/40,000 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	100/40,000 ³
Bromine	yes	7726-95-6	500
Cadmium Oxide	no	1306-19-0	100/40,000 ³
Cadmium Stearate	no	2223-93-0	1,000/40,000 ³
Calcium Arsenate	no	7778-44-1	500/40,000 ³

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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)
Camphechlor	no	8001-35-2	500/ 40,000 ³
Cantharidin	no	56-25-7	100/ 40,000 ³
Carbachol Chloride	no	51-83-2	500/ 40,000 ³
Carbamic Acid, Methyl-,o-(((2,4-Dimethyl-1, 3-Dithiolan-2-yl)Methylene) Amino)-.	no	26419-73-8	100/ 40,000 ³
Carbofuran	no	1563-66-2	10/ 40,000 ³
Carbon Disulfide	yes	75-15-0	10,000
Chlorine	yes	7782-50-5	100
Chlormequat Chloride	no	999-81-5	100/ 40,000 ³
Chloroacetic Acid	no	79-11-8	100/ 40,000 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/ 40,000 ³
Chloroxuron	no	1982-47-4	500/ 40,000 ³
Chromic Chloride	no	10025-73-7	1/ 40,000 ³
Cobalt Carbonyl	no	10210-68-1	10/ 40,000 ³
Cobalt, ((2,2'-(1,2-Ethanediybis (Nitrilomethylidyne)) Bis(6-Fluorophenolato))(2-)-N,N',O,O')-.	no	62207-76-5	100/ 40,000 ³
Colchicine	no	64-86-8	10/ 40,000 ³
Coumaphos	no	56-72-4	100/ 40,000 ³
Coumatetralyl	no	5836-29-3	500/ 40,000 ³
Cresol, o-	no	95-48-7	1,000/ 40,000 ³
Crimidine	no	535-89-7	100/ 40,000 ³
Crotonaldehyde	yes	4170-30-3	1,000
Crotonaldehyde, (E)-	yes	123-73-9	1,000
Cyanogen Bromide	no	506-68-3	500/ 40,000 ³
Cyanogen Iodide	no	506-78-5	1,000/ 40,000 ³
Cyanuric Fluoride	no	675-14-9	100
Cycloheximide	no	66-81-9	100/ 40,000 ³
Cyclohexylamine	yes	108-91-8	10,000
Decaborane(14)	no	17702-41-9	500/ 40,000 ³
Dialifor	no	10311-84-9	100/ 40,000 ³
Diborane	yes	19287-45-7	100
Diepoxybutane ²	no	1464-53-5	500
Digitoxin	no	71-63-6	100/ 40,000 ³
Digoxin	no	20830-75-5	10/ 40,000 ³
Dimethoate	no	60-51-5	500/ 40,000 ³
Dimethyldichlorosilane	yes	75-78-5	500
Dimethylhydrazine	yes	57-14-7	1,000
Dimethyl-p-Phenylenediamine	no	99-98-9	10/ 40,000 ³

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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)
Dimethyl Sulfate ²	no	77-78-1	500
Dimetilan	no	644-64-4	500/ 40,000 ³
Dinitrocresol	no	534-52-1	10/ 40,000 ³
Dinoseb	no	88-85-7	100/ 40,000 ³
Dinoterb	no	1420-07-1	500/ 40,000 ³
Diphacinone	no	82-66-6	10/ 40,000 ³
Disulfoton ²	no	298-04-4	500
Dithiazanine Iodide	no	514-73-8	500/ 40,000 ³
Dithiobiuret	no	541-53-7	100/ 40,000 ³
Emetine, Dihydrochloride	no	316-42-7	1/ 40,000 ³
Endosulfan	no	115-29-7	10/ 40,000 ³
Endothion	no	2778-04-3	500/ 40,000 ³
Endrin	no	72-20-8	500/ 40,000 ³
Epichlorohydrin	yes	106-89-8	1,000
EPN	no	2104-64-5	100/ 40,000 ³
Ergocalciferol	no	50-14-6	1,000/ 40,000 ³
Ergotamine Tartrate	no	379-79-3	500/ 40,000 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/ 40,000 ³
Fluenetil	no	4301-50-2	100/ 40,000 ³
Fluorine	yes	7782-41-4	500
Fluoroacetamide	no	640-19-7	100/ 40,000 ³
Fluoroacetic Acid	no	144-49-0	10/ 40,000 ³
Fluoroacetyl Chloride	no	359-06-8	10
Fluorouracil	no	51-21-8	500/ 40,000 ³
Formaldehyde ⁵	yes	50-00-0	500
Formetanate Hydrochloride	no	23422-53-9	500/ 40,000 ³
Formparanate	no	17702-57-7	100/ 40,000 ³
Fuberidazole	no	3878-19-1	100/ 40,000 ³
Furan	yes	110-00-9	500
Gallium Trichloride	no	13450-90-3	500/ 40,000 ³
Hydrazine	yes	302-01-2	1,000
<i>Hydrochloric Acid (aqueous) (conc 30% or greater)</i>	yes	<i>7647-01-0</i>	<i>1000</i>
Hydrocyanic Acid	yes	74-90-8	100
<i>Hydrofluoric Acid (aqueous)</i> ⁶	yes	<i>7664-39-3</i>	<i>100</i>
Hydrogen Chloride (gas only)(<i>anhydrous</i>)	yes	7647-01-0	500
Hydrogen Fluoride (<i>anhydrous</i>)	yes	7664-39-3	100
Hydrogen Selenide	yes	7783-07-5	10

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(Continued)

Chemical Name	Also on Table 1 ¹	CAS Number	State Threshold Quantity (lbs)
Hydrogen Sulfide	yes	7783-06-4	500
Hydroquinone ⁶⁷	no	123-31-9	500/40,000 ³
Iron, Pentacarbonyl-	yes	13463-40-6	100
Isobenzan	no	297-78-9	100/40,000 ³
Isobutyronitrile	yes	78-82-0	1,000
Isocyanic Acid, 3,4-Dichlorophenyl Ester	no	102-36-3	500/40,000 ³
Isodrin	no	465-73-6	100/40,000 ³
Isophorone Diisocyanate	no	4098-71-9	100
Isopropyl Chloroformate	yes	108-23-6	1,000
Leptophos	no	21609-90-5	500/40,000 ³
Lewisite ²	no	541-25-3	10
Lindane	no	58-89-9	1,000/40,000 ³
Lithium Hydride ⁴	no	7580-67-8	100
Malononitrile	no	109-77-3	500/40,000 ³
Manganese, Tricarbonyl Methylcyclopentadienyl ²	no	12108-13-3	100
Mechlorethamine ²	no	51-75-2	10
Mercuric Acetate	no	1600-27-7	500/40,000 ³
Mercuric Chloride	no	7487-94-7	500/40,000 ³
Mercuric Oxide	no	21908-53-2	500/40,000 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	100/40,000 ³
Methanesulfonyl Fluoride	no	558-25-8	1,000
Methidathion	no	950-37-8	500/40,000 ³
Methiocarb	no	2032-65-7	500/40,000 ³
Methomyl	no	16752-77-5	500/40,000 ³
Methoxyethylmercuric Acetate	no	151-38-2	500/40,000 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	500/40,000 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	100/40,000 ³
Mexacarbate	no	315-18-4	500/40,000 ³

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Chemical Name	Also on Table 1 ¹	CAS Number	State Threshold Quantity (lbs)
Mitomycin C	no	50-07-7	500/ 40,000 ³
Monocrotophos	no	6923-22-4	10/ 40,000 ³
Muscimol	no	2763-96-4	500/ 40,000 ³
Mustard Gas ²	no	505-60-2	500
Nickel Carbonyl	yes	13463-39-3	1
Nicotine Sulfate	no	65-30-5	100/ 40,000 ³
Nitric Acid ⁶	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/ 40,000 ³
Organorhodium Complex (PMN-82-147)	no	MIXTURE	10/ 40,000 ³
Ouabain	no	630-60-4	100/ 40,000 ³
Oxamyl	no	23135-22-0	100/ 40,000 ³
Ozone	no	10028-15-6	100
Paraquat Dichloride	no	1910-42-5	10/ 40,000 ³
Paraquat Methosulfate	no	2074-50-2	10/ 40,000 ³
Parathion-Methyl	no	298-00-0	100/ 40,000 ³
Paris Green	no	12002-03-8	500/ 40,000 ³
Pentaborane	no	19624-22-7	500
Pentadecylamine	no	2570-26-5	100/ 40,000 ³
Peracetic Acid	yes	79-21-0	500
Perchloromethylmercaptan	yes	594-42-3	500
Phenol	no	108-95-2	500/ 40,000 ³
Phenol, 2,2'-Thiobis(4-Chloro-6-Methyl)-	no	4418-66-0	100/ 40,000 ³
Phenol, 3-(1-Methylethyl)-, Methylcarbamate	no	64-00-6	500/ 40,000 ³
Phenoxarsine, 10, 10' - Oxydi-	no	58-36-6	500/ 40,000 ³
Phenyl Dichloroarsine ²	no	696-28-6	500
Phenylhydrazine Hydrochloride	no	59-88-1	1,000/ 40,000 ³
Phenylmercury Acetate	no	62-38-4	500/ 40,000 ³
Phenylsilatrane	no	2097-19-0	100/ 40,000 ³
Phenylthiourea	no	103-85-5	100/ 40,000 ³
Phorate ²	no	298-02-2	10
Phosacetim	no	4104-14-7	100/ 40,000 ³
Phosfolan	no	947-02-4	100/ 40,000 ³
Phosgene	yes	75-44-5	10
Phosmet	no	732-11-6	10/ 40,000 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

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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)
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	100/40,000 ³
Physostigmine, Salicylate (1:1)	no	57-64-7	100/40,000 ³
Picrotoxin	no	124-87-8	500/40,000 ³
Piperidine	yes	110-89-4	1,000
Potassium Arsenite	no	10124-50-2	500/40,000 ³
Potassium Cyanide ⁴	no	151-50-8	100
Potassium Silver Cyanide ⁴	no	506-61-6	500
Promecarb	no	2631-37-0	500/40,000 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	100/40,000 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	100/40,000 ³
Pyrene	no	129-00-0	1,000/40,000 ³
Pyridine, 4-Amino-	no	504-24-5	500/40,000 ³
Pyridine, 4-Nitro-, 1-Oxide	no	1124-33-0	500/40,000 ³
Pyriminil	no	53558-25-1	100/40,000 ³
Salcomine	no	14167-18-1	500/40,000 ³
Sarin ²	no	107-44-8	10
Selenious Acid	no	7783-00-8	1,000/40,000 ³
Semicarbazide Hydrochloride	no	563-41-7	1,000/40,000 ³
Sodium Arsenate	no	7631-89-2	1,000/40,000 ³
Sodium Arsenite	no	7784-46-5	500/40,000 ³
Sodium Azide (Na(N ₃)) ⁴	no	26628-22-8	500
Sodium Cacodylate	no	124-65-2	100/40,000 ³
Sodium Cyanide (Na(CN)) ⁴	no	143-33-9	100
Sodium Fluoroacetate	no	62-74-8	10/40,000 ³
Sodium Selenate	no	13410-01-0	100/40,000 ³
Sodium Selenite	no	10102-18-8	100/40,000 ³
Sodium Tellurite	no	10102-20-2	500/40,000 ³
Stannane, Acetoxytriphenyl-	no	900-95-8	500/40,000 ³
Strychnine	no	57-24-9	100/40,000 ³
Strychnine Sulfate	no	60-41-3	100/40,000 ³

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Chemical Name	Also on Table 1 ¹	CAS Number	State Threshold Quantity (lbs)
Sulfur Dioxide	yes	7446-09-5	500
Sulfuric Acid ⁷⁸	no	7664-93-9	5,000 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
Tetramethyllead	yes	75-74-1	100
Tetranitromethane	yes	509-14-8	500
Thallium Sulfate	no	10031-59-1	100/ 40,000 ³
Thallos Carbonate	no	6533-73-9	100/ 40,000 ³
Thallos Chloride	no	7791-12-0	100/ 40,000 ³
Thallos Malonate	no	2757-18-8	100/ 40,000 ³
Thallos Sulfate	no	7446-18-6	100/ 40,000 ³
Thiocarbazide	no	2231-57-4	1,000/ 40,000 ³
Thiofanox	no	39196-18-4	100/ 40,000 ³
Thiosemicarbazide	no	79-19-6	100/ 40,000 ³
Thiourea, (2-Chlorophenyl)-	no	5344-82-1	100/ 40,000 ³
Thiourea, (2-Methylphenyl)-	no	614-78-8	500/ 40,000 ³
Titanium Tetrachloride	yes	7550-45-0	100
Toluene-2,4-Diisocyanate ⁸⁶	yes	584-84-9	500
Toluene-2,6-Diisocyanate ⁸⁶	yes	91-08-7	100
Triamiphos	no	1031-47-6	500/ 40,000 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/ 40,000 ³
Trimethyltin Chloride	no	1066-45-1	500/ 40,000 ³
Triphenyltin Chloride	no	639-58-7	500/ 40,000 ³
Tris(2-Chloroethyl)Amine ²	no	555-77-1	100
Valinomycin	no	2001-95-8	1,000/ 40,000 ³
Vanadium Pentoxide	no	1314-62-1	100/ 40,000 ³
Vinyl Acetate Monomer	yes	108-05-4	1,000
Warfarin	no	81-81-2	500/ 40,000 ³
Warfarin Sodium	no	129-06-6	100/ 40,000 ³
Xylylene Dichloride	no	28347-13-9	100/ 40,000 ³
Zinc, Dichloro(4,4-Dimethyl-5(((Methylamino) Carbonyl)Oxy)Imino) Pentanenitrile)-, (T-4)-.	no	58270-08-9	100/ 40,000 ³
Zinc Phosphide ⁴	no	1314-84-7	500

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

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

- 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. *These substances are regulated only 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 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.
- 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). *Ammonium hydroxide is a mixture of ammonia in water, therefore the amount of ammonia in a solution of ammonium hydroxide must be evaluated for the threshold for ammonia.*
- 86 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.
- 67 Hydroquinone is exempt in crystalline form.
- 78 *The exemption in Section 2770.2(b)(1)(B) regarding partial pressures below 10 mm Hg does not apply to sulfuric acid.* 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~~ *if* in a container with flammable hydrocarbons (flash point < 73° F).
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-