

CVUSD - List of Approved Chemicals, October 31, 2017

Line Item	CHEMICAL NAME	MANUFACTURER	MATERIAL SAFETY DATA SHEET YES / NO	COMPATIBLE STORAGE	HAZARD HEALTH EFFECTS	H. R.	TOTAL NUMBER OF CONTAINERS	TOTAL QUANTITY GM=GRAMS, KG=KILOGRAMS, LB=POUNDS, OZ=OUNCE, CC, LITER	SHELF LIFE (Months)	Expired Chemical YES/NO
1	Lead Pb Metal For Demonstration only (strips) (powder, PEL 0.05 mg/m3) Prop. 65			(Strips ONLY) I-1	Poison, Questionable carcinogen, Experimental teratogen reproductive effects, Human mutation data reported, Hallucinations and distorted perceptions. (No powder, No shots)	3			12 - 50 @	
2	Nickel Ni Metal For Demonstration Only Prop. 65			(Strips Only) I-1	Confirmed carcinogen with experimental carcinogenic, Neoplastigenic, Tumorigenic and Teratogenic Data, Mutation data reported.	3			12 - 50	
3	Silver (powder, PEL 0.01 mg/m3)			(Strips Only) I-1	(when heated) Poison (No Powder)	3			12 - 50	
4	Carbon Dioxide CO2 (PEL 10,000 ppm)			Chain Or Cabinet For Gas Container	Experimental teratogenic data, Experimental reproductive effects.	1			12 - 50	
5	Helium He			Chain Or Cabinet For Gas Container	See Hazard Rating (HR)	1			12 - 50	
6	Nitrogen N			Chain Or Cabinet for Gas Container	See Hazard Rating (HR)	1			12 - 50	
7	Oxygen O Tank			Chain Or cabinet for Gas Container	Human mutation data reported, Human teratogenic data.	3			12 - 50	
8	Propane C3H8			Chain Or Cabinet for Gas Container	See Hazard Rating (HR)	3			12 - 50	
9	Butane			flammable cab						
10	Aluminum Al (Powder, PEL 15 mg/m3)			I-1	See Hazard Rating (HR)	3			12 - 50 @	
11	Bismuth Bi Metal (pellets)			I-1	Poison	3			12 - 50 @	
12	Brass shot			I-1						

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13	Calcium Ca			I-1	See Hazard Rating (HR)	3			6 - 30 @	
14	Copper Cu Metal (wire, strips, pieces) (for dust/ PEL 1 mg/m3t)			I-1	Experimental teratogenic data, reproductive effects, Questionable carcinogen with experimental tumorigenic data.	2			12 - 50	
15	Iron Fe Metal (powder, strips, wire, pieces & shavings)			I-1	Poison, Questionable carcinogen with experimental tumorigenic data.	3			12 - 50	
16	Magnesium Mg Metal (ribbon)			I-1	See Hazard Rating (HR)	3			12 - 50 @	
17	Manganese Mn Metal (powder/ PEL 1 mg/m3) or Magnesium Turnings (chunk)			I-1	Poison, Questionable carcinogen with experimental tumorigenic effects.	3			12 - 50	
18	Silicon Si			I-1	See Hazard Rating (HR)	3			12 - 50	
19	Tin Sn (PEL: Inorganic/ 2 mg/m3, Organic/ 0.1 mg/m3)			I-1	Poison, Questionable carcinogen with experimental tumorigenic data.	3			12 - 50	
20	Titanium Ti (powder/ PEL 10 mg/m3)			I-1	Questionable carcinogen with experimental tumorigenic and reproductive effects.	3			12 - -50	
21	zinc granular			I-1						
22	Zinc Zn (strips, mossy & granular)			I-1	See Hazard Rating (HR)	D			12 - 50 @	
23	Lithium Metal Li			I-1 Under Mineral Oil	Poison, Reacts Vigorously With Water.	3			12 - 50	
24	Sodium Na Metal			I-1 Under Mineral Oil	Poison, Reacts Vigorously With Water.	3			6 - 30 @	
25	Phosphorous-Red (In a Chem-Saf Bag With a Draying Agent) (PEL 0.1 mg/m3)			I-10	Highly Poisonous Fumes	3			1 - 10 ##	
26	Sulfur (powder, crystals)			I-10	Poison	3			12 - 50 @	
27	Aluminum Chloride AlCl3.6H2O			I-2	Poison, Experimental teratogenic and reproductive effects, Mutation data reported.	3			1 - 10 @ ##	

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28	Aluminum Potassium Sulfate= Alum AlK(SO4)2.12H2O			I-2	Poison, Experimental reproductive effects.	1			12 - 50	
29	Aluminum Sulfate Al2(SO4)3.18H2O			I-2	Poison, Experimental reproductive effects.	2			12 - -50 @	
30	Ammonium Acetate NH4C2H3O2			I-2	Poison	3			1 - 10 # #	
31	Ammonium Bromide NH4Br			I-2	Poison	3			1 - 10 # #	
32	Ammonium Chloride NH4Cl (PEL 10 mg/m3)			I-2	Poison, Human mutation data reported.	3			1 - 10 # # @	
33	Ammonium Iodide NH4I			I-2	Poison (when heated)	3			1 - 10 # #	
34	Ammonium Oxalate (NH4)2C2O4.H2O			I-2	Poison	3			12 - 50	
35	Ammonium Phosphate (NH4)2HPO4			I-2	Poison	2			-	
36	Ammonium Sulfate (NH4)2SO4			I-2	Poison	2			12 - 50	
37	Ammonium Tartrate (NH4)2C4H4O6			I-2	Poison	2			6 - 30	
38	Antimony Potassium Tartrate (PEL 0.5 mmg/m3)			I-2	Poison	3			12 - 50	
39	Antimony Trichloride SbCl3 (PEL 0.5 mg/m3)			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10 # #	
40	Barium Acetate (CH3CO2)2Ba.H2O (PEL 0.5 mg/m3)			I-2	Poison	3			12 - 50 @	
41	Barium Chloride BaCl2.2H2O (PEL 0.5mg/m3)			I-2	Highly Poisonous, Human mutation data reported, Experimental reproductive effects.	3			12 - 50 @	
42	Barium Oxalate BaC2O4.H2O			I-2	Poison	3			12 - 50 @	
43	Barium Sulfate BaSO4			I-2	Poison, Human mutation data reported.	3			12 - 50 @	
44	Benedict's Solution (contains: copper sulfate, Sodium Carbonate and sodium citrate)			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			12 - 50 @	
45	Bromine Water ** (PEL 0.5 mg/m3)			I-2	See Hazard Rating (HR)	D			1 - 6	

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46	Buffer Solutions			I-2	See Hazard Rating (HR)	D			6 - 30	
47	Calcium Acetate Ca(C ₂ H ₃ O ₂) ₂ .H ₂ O			I-2	Poison, Human mutation data reported.	3			1 - 10	
48	Calcium Chloride CaCl₂			I-2	Questionable carcinogen with experimental tumorigenic data, Mutation data reported.	2			1 - 10 @ ##	
49	Calcium Phosphate, monobasic, dibasic & tribasic (PEL 10 mg/m ³)			I-2	See Hazard Rating (HR)	1			1 - 10 ##	
50	Calcium Sulfate CaSO ₄ .2H ₂ O (PEL 15 mg/m ³)			I-2	See Hazard Rating (HR)	1			12 - 50	
51	Carbon Tetrabromide TBE CBr ₄ (PEL 0.1 ppm)			I-2	Poison, Narcotic, Suspected carcinogen with experimental tumors.	3			6 - 30	
52	Chlorine Water (PEL 0.5 mg/m ³)			I-2	Poison, Human mutation data reported.	3			1 - 6	
53	Chromium (ic) Potassium Sulfate CrK(SO ₄) ₂ .12H ₂ O			I-2	Poison, Suspected carcinogen.	3			1 - 10	
54	Chromium (III) Sulfate Cr ₂ (SO ₄) ₃ .15H ₂ O			I-2	Poison, Suspected carcinogen.	3			12 - 50	
55	Cobalt (ous) Chloride CoCl₂.6H₂O			I-2	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects, Suspected carcinogen with experimentally carcinogenic data.	3			6 - 30 @ ##	
56	Copper (II) Sulfate Solution (1M) CuSO ₄ .5H ₂ O			I-2	Poison, Human mutation data reported, Experimental teratogenic, tumorigenic and Reproductive effects, Questionable carcinogen.	3			6 - 30 @	
57	Cupric Acetate Cu(C ₂ H ₃ O ₂) ₂			I-2	Poison, Experimental reproductive effects.	3			12 - 50	
58	Cupric Bromide			I-2	Poison	D			1 - 10 ##	
59	Cupric Chloride CuCl₂.2H₂O			I-2	Highly Poisonous, Human mutation data reported.	3			1 - 10 @ ##	
60	Cupric Sulfate CuSO₄..5H₂O			I-2	Poison, Experimental teratogenic, reproductive, and tumorigenic effects, Questionable carcinogen, Human mutation data reported.	3			1 - 10 @ ##	
61	Cuprous Chloride, Anhydrous CuCl			I-2	Poison, Human mutation data reported.	3			1 - 10 ##	

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62	Fehlings Solution A: Cupric Sulfate and Water			I-2	Poison, Experimental teratogenic, reproductive, and tumorigenic effects, Questionable carcinogen, Human mutation data reported.	3			1 - 10 @ # #	
63	Ferric Chloride FeCl₃.6H₂O (PEL 1 mg/m³)			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10 # # @	
64	Ferric Sulfate Fe ₂ (SO ₄) ₃ .xH ₂ O			I-2	See Hazard Rating (HR)	D			1 - 10 # #	
65	Ferrous Ammonium Sulfate Fe(NH ₄) ₂ (SO ₄) ₂ .6H ₂ O			I-2	See Hazard Rating (HR)	D			1 - 10 # #	
66	Ferrous Chloride FeCl ₂ .4H ₂ O (PEL 1 mg/m ³)			I-2	Poison, Human mutation data reported.	3			1 - 10 @ # #	
67	Ferrous Sulfate FeSO₄.7H₂O			I-2	Poison, Human mutation data reported, Experimental teratogenic, tumorigenic and reproductive effects, Questionable carcinogen.	3			1 - 10 @ # #	
68	Gram's Iodine Stain= Iodine Solution, Gram			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10	
69	Gypsum CaSO ₄ .xH ₂ O			I-2	See Hazard Rating (HR)	1			1 - 10 # #	
70	Iodeosin C ₂₀ H ₈ I ₄ O ₅			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10	
71	Iodine (crystals) (PEL 0.1 ppm)			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10 @	
72	Iodine Solution			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10	
73	Lithium Chloride LiCl			I-2	Poison, Human mutation data reported, Questionable carcinogen, Experimental neoplastigenic, teratogenic and reproductive effects.	3			1 - 10 # #	
74	Lugol's Iodine Solution= 5g iodine + 10g potassium iodine			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10	
75	Magnesium Acetate Mg(C ₂ H ₃ O ₂) ₂ .4H ₂ O			I-2	Poison	3			1 - 10 # #	
76	Magnesium Bromide MgBr ₂ .6H ₂ O			I-2	See Hazard Rating (HR)	3			1 - 10 # #	

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77	Magnesium Chloride MgCl₂.6H₂O			I-2	Poison, Human mutation data reported.	3			1 - 10 @ ##	
78	Magnesium Sulfate MgSO ₄ .7H ₂ O (Epsom Salts)			I-2	Poison, Human mutation data reported.	3			1 - 10 @ ##	
79	Manganese Chloride MnCl ₂ .4H ₂ O			I-2	Poison Human mutation data reported, Experimental teratogenic and reproductive effects, Questionable carcinogen with experimental carcinogenic data.	3			1 - 10 ##	
80	Manganese Sulfate MnSO₄.H₂O			I-2	Poison, Human mutation data reported, Questionable carcinogen with experimental carcinogenic, reproductive, teratogenic and neoplastigenic data.	3			1 - 10 ## @	
81	Phosphate Buffer			I-2	See Hazard Rating (HR)	3			1 - 10 ##	
82	Potassium Bisulfate Potassium hydrogen sulfate KHSO ₄			I-2	Poison	2			1 - 10 ##	
83	Potassium Bitartrate KHC ₄ H ₄ O ₆			I-2	See Hazard Rating (HR)	D			12 - 50	
84	Potassium Bromide KBr			I-2	Poison, Human mutation data reported.	2			1 - 10 @ ##	
85	Potassium Chloride KCl			I-2	Poison, Human mutation data reported.	3			1 - 10 ## @	
86	Potassium Hydrogen Phthalate KHC ₈ H ₄ O ₄			I-2	See Hazard Rating (HR)	D			12 - 50	
87	Potassium Iodide KI			I-2	Poison, Human mutation and teratogenic data reported, Experimental teratogenic and reproductive effects.	3			1 - 10 @ # ##	
88	Potassium Oxalate K ₂ C ₂ O ₄ .H ₂ O			I-2	Poison	3			1 - 10 ##	
89	Potassium Phosphate (Dibasic) K ₂ HPO ₄			I-2	See Hazard Rating (HR)	3			1 - 10 ##	
90	Potassium Phosphate (Monobasic) KH ₂ PO ₄			I-2	See Hazard Rating (HR)	3			1 - 10 ##	
91	Potassium Sodium Tartrate= Rochelle Salt			I-2	See Hazard Rating (HR)	3			1 - 10 ##	
92	Potassium Sulfate K ₂ SO ₄			I-2	Poison	2			12 - 50	

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93	Ringer's Solution			I-2	See Hazard Rating (HR)	D			12 - 50	
94	Schiff Reagent			I-2	Poison	3			6 - 30	
95	Silver Acetate			I-2	See Hazard Rating (HR)	3			12 - 50	
96	Silver Chloride AgCl (PEL 0.01 mg/m3)			I-2	Poison, Human mutation data reported.	3			12 - 50 #	
97	Sodium Acetate CH ₃ CO ₂ Na.3H ₂ O			I-2	Poison	3			1 - 10 ##	
98	Sodium Benzoate C ₆ H ₅ CO ₂ Na			I-2	Poison, Experimental teratogenic and reproductive effects, Mutation data reported.	3			12 - 50	
99	Sodium Bisulfate NaHSO ₄ .H ₂ O (PEL 5 mg/m3)			I-2	Poison, Human mutation data reported.	3			1 - 10 ##	
100	Sodium Bisulfite NaHSO ₃			I-2	Human mutation data reported.	3			1 - 10 ##	
101	Sodium Bromide NaBr			I-2	Poison, Experimental reproductive effects.	2			1 - 10 ##	
102	Sodium Chloride NaCl			I-2	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects.	2			1 - 10 ##	
103	Sodium Citrate Na ₃ C ₆ H ₅ O ₇ .2H ₂ O			I-2	See Hazard Rating (HR)	D			1 - 10 ##	
104	Sodium Hexametaphosphate Na(PO ₃) _n			I-2	Poison	3			1 - 10 ##	
105	Sodium Iodide NaI			I-2	Poison, Human reproductive effect, Human teratogenic effect.	2			1 - 10 #, ##	
106	Sodium Metabisulfite Na ₂ S ₂ O ₃ (PEL 5 mg/m3)			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			1 - 10 ##	
107	Sodium Oxalate Na ₂ C ₂ O ₄			I-2	Poison	2			1 - 10 ##	
108	Sodium Phosphate (Dibasic) Na ₂ HPO ₄ .H ₂ O			I-2	Poison	3			1 - 10 ##	
109	Sodium Phosphate (Monobasic) NaH ₂ PO ₄ .H ₂ O =Sodium Bisphosphate			I-2	Poison	3			1 - 10 ##	
110	Sodium Phosphate (Tribasic) Na ₃ PO ₄ .12H ₂ O			I-2	Poison	3			12 - 50	
111	Sodium Silicate			I-2	Poison, Experimental reproduction effects.	3			12 - 50	

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112	Sodium Sulfate Na ₂ SO ₄			I-2	Poison, Experimental teratogenic, tumorigenic and reproductive effects, Questionable carcinogen.	2			12 - 50	
113	Sodium Sulfite Na ₂ SO ₃			I-2	Poison, Human mutation data reported.	3			1 - 10 ##	
114	Sodium Tartrate Na ₂ C ₄ H ₄ O ₆ .2H ₂ O			I-2	Poison	3			12-50	
115	Sodium Thiosulfate Na₂S₂O₃			I-2	Poison	3			12 - 50 @	
116	Stannic Chloride SnCl ₄ .5H ₂ O			I-2	Poison	D			1 - 10 ##	
117	Strontium Chloride SrCl ₂ .6H ₂ O			I-2	Poison	D			1 - 10 ##	
118	Tin II Chloride SnCl ₂ .2H ₂ O (Stannous Chloride) (PEL 2 mg/m ³)			I-2	Poison	3			1 - 10 ##	
119	Zinc Acetate (CH ₃ O ₂) ₂ Zn.2H ₂ O			I-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			6 - 30	
120	Zinc Chloride ZnCl ₂ (PEL 1 mg/m ³)			I-2	Poison, Human mutation data reported, Questionable carcinogen with experimental teratogenic, reproductive and tumorigenic effects.	3			1 - 10 ##	
121	Zinc Sulfate ZnSO ₄ .7H ₂ O			I-2	Poison, Human mutation data reported, Questionable carcinogen with experimental reproductive and tumorigenic effects.	3			1 - 10 ##	
122	Aluminum Nitrate Al(NO ₃) ₃ .9H ₂ O			I-3	Poison (when heated)	3			12 - 50	
123	Barium Nitrate Ba(NO₃)₂			I-3	Poison	3			12 - 50 @	
124	Calcium Nitrate			I-3	Poison	3			1 - 10 ## @	
125	Chromium (ic) Nitrate Cr(NO ₃) ₃ .9H ₂ O (PEL o.5 mg/m ³)			I-3	Poison, Human mutation data reported, Questionable carcinogen.	3			1 - 10 ##	
126	Cobalt(ous) Nitrate **Co(NO₃)₂.6H₂O (PEL 0.5 mg/m³)			I-3	Poison, Experimental reproductive and tumorigenic effects, Questionable carcinogen.	3			1 - 10 @ ##	
127	Copper II (aka cupric) nitrate			I-3						

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128	Cupric Nitrate Cu(NO3)2.3H2O (PEL 1 mg/m3)			I-3	Poison	2			1 - 10 @ # #	
129	Ferric Nitrate Fe(NO3)3.9H2O			I-3	Poison, Human mutation data reported.	2			1 - 10 @ # #	
130	Iron III (ferric) nitrate			I-3						
131	Lithium Nitrate			I-3	See Hazard Rating (HR)	3			12 - 50 @	
132	Magnesium Nitrate Mg(NO3)26H2O (PEL 5 mg/m3)			I-3	(when heated) Poison, Human mutation data reported.	2			1 - 10 @ # #	
133	Potassium Nitrate KNO3			I-3	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects.	3			6 - 30 @ # #	
134	Silver Nitrate AgNO3 (PEL 0.01 mg/m3)			I-3	Poison, Human mutation data reported, Questionable carcinogen with experimental tumorigenic and reproductive effects.	3			1 - 10 # #	
135	Sodium Nitrate NaNO3			I-3	Poison, Human mutation data reported, Experimental teratogenic, neoplastigenic, tumorigenic and reproductive effects, Questionable carcinogen.	3			12 - 50 @ # #	
136	Strontium Nitrate Sr(NO3)2			I-3	Poison	2			12 - 50 #	
137	Zinc Nitrate Zn(NO3)2			I-3	(when heated) Poison	3			12 - 50 @	
138	Aluminum Oxide Al2O3 (PEL 10 mg/m3)			I-4	Poison, Questionable carcinogen with experimental neoplastigenic and tumorigenic data.	2			12 - 50	
139	Aluminum Hydroxide Al(OH)3.xH2O			I-4	Poison	3			12 - 50	
140	Ammonia (PEL 35 ppm)			I-4	Poison, Mutation data reported.	3			12 - 50	
141	Ammonium Bicarbonate NH4HCO3			I-4	Poison	3			6 - 30	
142	Ammonium Carbonate (NH4)2CO3			I-4	Poison	3			12 - 50 @	
143	Ammonium Hydroxide NH4OH (PEL 2 mg/m3)			I-4	Poison, Human mutation data reported.	3			12 - 50 @	
144	Barium Carbonate BaCO3 (PEL 0.5 mg/m3)			I-4	Poison, Experimental reproductive effects.	3			12 - 50 @	

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145	Barium Hydroxide Ba(OH)2.8H2O			I-4	Poison, Experimental reproductive effects.	3			1 - 10 @ # #	
146	Biuret Test Solution			I-4	Poison	D			6 - 30	
147	Calcium Carbonate CaCO3 Marble Chips or Powder			I-4	See Hazard Rating (HR)	1			12 - 50	
148	Calcium Hydroxide Ca(OH)2 (PEL 5 mg/m3)			I-4	Poison, Human mutation data reported.	2			1 - 10 @ # #	
149	Calcium Hypochlorite Ca(OCl)2			I-4	Poison	3			1 - 10 @ # #	
150	Calcium Oxide CaO (PEL 5 mg/m3)			I-4	See Hazard Rating (HR)	3			1 - 10 @ # #	
151	Carbon (Charcoal) (PEL 2.5 mg/m3)			I-4	Poison, Experimental reproductive effects.	1			6 - 30	
152	Cupric Carbonate			I-4	Poison	D			12 - 50	
153	Cupric Oxide CuO			I-4	Poison, Experimental reproductive effects.	2			12 - 50 @	
154	Cuprous Oxide Cu2O			I-4	Poison, Experimental reproductive effects.	3			1 - 10 # #	
155	Fehling's Solution B (Potassium Sodium Tartrate, Sodium Hydroxide and Water)			I-4	Poison, Human mutation data reported.	3			1 - 10	
156	Ferrous Oxide Fe3O4 (catalyst, gluscolor)			I-4	See Hazard Rating (HR)	2			12 - 50	
157	Fuller's Earth			I-4	See Hazard Rating (HR)	D			12 - 50	
158	Graphite			I-4	See Hazard Rating (HR)	3			12 - 50	
159	Kaolin H2Al2Si2O8.H2O China Clay (Aluminum Silicate Hydroxide)			I-4	See Hazard Rating (HR)	2			12 - 50	
160	Magnesium Carbonate 4Mg(CO3).Mg(OH)2.5H2O			I-4	See Hazard Rating (HR)	1			12 - 50	
161	Magnesium Oxide MgO (PEL 5 mg/m3)			I-4	Poison, Questionable carcinogen with experimental tumorigenic effects.	3			1 - 10 @ # #	

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162	Manganese Carbonate MnCO ₃			I-4	See Hazard Rating (HR)	3			1 - 10 ##	
163	Manganese Dioxide MnO₂			I-4	Poison, Experimental reproductive effects.	3			12 - 50 @	
164	Manganese Oxide Mn ₃ O ₄			I-4	Poison	2			1 - 10 ##	
165	Potassium Bicarbonate = potassium hydrogen carbonate KHCO ₃			I-4	See Hazard Rating (HR)	1			1 - 10 ##	
166	Potassium Carbonate K ₂ CO ₃ .3/2H ₂ O			I-4	Poison, Human mutation data reported.	3			12 - 50	
167	Potassium Hydroxide (Pellets) KOH (PEL 2 mg/m³)			I-4	Poison, Human mutation data reported.	3			1 - 10 @ ##	
168	Silica Gel			I-4	See Hazard Rating (HR)	D			12 - 50	
169	Silver Oxide AgO			I-4	Poison	3			12 - 50 #	
170	Sodium Bicarbonate NaHCO ₃ Baking Soda			I-4	Experimental teratogenic data.	1			1 - 10 ##	
171	Sodium carbonate (anhydrous form)			I-4						
172	Sodium Carbonate Na ₂ CO ₃ .H ₂ O			I-4	Poison, Experimental reproductive effects.	3			1 - 10 ##	
173	Sodium Hydroxide NaOH (PEL 2 mg/m ³)			I-4	Poison, Human mutation data reported.	3			6 - 30	
174	Sodium Meta-Silicate Na ₂ SiO ₃ .9H ₂ O			I-4	Poison	3			12 - 50	
175	Titanium Dioxide TiO ₂ (for dust/ PEL 10 mg/m ³)			I-4	Questionable carcinogen with experimental neoplastic, carcinogenic and tumorigenic data.	1			12 - 50	
176	Yttrium Oxide Y ₂ O ₃			I-4	Poison, Questionable carcinogen with experimental tumorigenic data.	3			1-10 ##	
177	Zinc Carbonate (ZnO) ₂ .Zn(OH) ₂ 3			I-4	See Hazard Rating (HR)	D			10 - 50	
178	Zinc Oxide ZnO			I-4	Poison, Experimental teratogenic and reproductive effects, Mutation data reported.	3			12 - 50	
179	Ammonium Sulfite (NH ₄) ₂ SO ₃ .H ₂ O			I-5	Poison	3			1 - 10 ##	

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180	Calcium Bromide CaBr ₂ .6H ₂ O			I-5	Poison	3			1 - 10 # #	
181	Manganese Bromide MnBr ₂ .4H ₂ O			I-5	Poison	3			1 - 10 # #	
182	Ammonium Persulfate (NH₄)₂S₂O₈			I-6	Poison	3			12 - 50 @	
183	Barium Peroxide BaO ₂ (PEL 0.5 mg/m ³)			I-6	Poison	3			1 - 10 @	
184	Hydrogen Peroxide			I-6	Poison, Human mutation data reported, Questionable carcinogen with experimental tumorigenic data.	3			1 - 10 @	
185	Potassium Iodate KIO ₃			I-6	Poison	3			12 - 50	
186	Sodium Bromate NaBrO ₃			I-6	Poison	3			12 - 50	
187	Sodium Hypochlorite NaOCl (Solution)			I-6	Poison, Human mutation data reported.	3			6 - 30 @	
188	Ammonium Thiocyanate NH ₄ SCN			I-7	Poison	3			1 - 10 # #	
189	Potassium Ferricyanide K ₃ Fe(CN) ₆			I-7	Poison, Human mutation data reported.	2			6 - 30 #	
190	Potassium Ferrocyanide K ₄ Fe(CN) ₆			I-7	See Hazard Rating (HR)	D			1 - 10 # #	
191	Potassium Thiocyanate KSCN			I-7	Poison, Experimental teratogenic data.	3			1 - 10 # #	
192	Sodium Thiocyanate NaSCN			I-7	Poison	3			1 - 10 #, # #	
193	Ammonium Molybdate (NH ₄) ₆ Mo ₇ O ₂ .4H ₂ O (PEL 5 mg/m ³)			I-8	Poison	3			12 - 50	
194	Potassium Permanganate Solution KMnO₄ (PEL 5 mg/m³)			I-8	Poison, Human mutation data reported, Experimental reproductive effects.	3			12 - 50 @	
195	Sodium Borate Na ₂ B ₄ O ₇ .10H ₂ O (Borax)			I-8	Poison, Experimental reproductive effects.	D			12 - 50	
196	Sodium Molybdate Na ₂ MoO ₄ .2H ₂ O			I-8	Poison	2			12 - 50	
197	Boric Acid H₃BO₃			I-9	Poison, Human mutation data reported, Experimental reproductive effects.	3			12 - 50 @	

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198	Hydrobromic Acid HBr (PEL 3 ppm)			I-9	Poison	3			1 - 10 #	
199	Hydrochloric Acid HCl (PEL 5 ppm)			I-9	Poison	3			6 - 30 @	
200	Phosphoric Acid H3PO3 (PEL 2 mg/m3)			I-9	Poison	3			6 - 30	
201	Sulfuric Acid H2SO4 (PEL 1 mg/m3)			I-9	Poison, Experimental teratogenic data.	3			1 - 10 @ ##	
202	Nitric Acid HNO3 (PEL 2 ppm)			In Separate Acid Cabinet	See Hazard Rating (HR)	3			6 - 30 @	
203	Agar, Agar Nutrient and Has Agar			Misc.	See Hazard Rating (HR)	1			6 - 30	
204	Agarose			Misc.	See Hazard Rating (HR)	D			6 - 30	
205	Bluing Laundry			Misc.	See Hazard Rating (HR)	1			1 - 10 ##	
206	Cloves Oil			Misc.	See Hazard Rating (HR)	D			12 - 50	
207	Ion Exchange Resin			Misc.	See Hazard Rating (HR)	D			12 - 50	
208	Maltose			Misc.	See Hazard Rating (HR)	D			6 - 30	
209	Mint Green			Misc.	See Hazard Rating (HR)	D			12 - 50	
210	Molasses			Misc.	See Hazard Rating (HR)	1			6 - 30	
211	Oil (vegetable)			Misc.	See Hazard Rating (HR)	D			6 - 30	
212	Peppermint Oil			Misc.	See Hazard Rating (HR)	D			12 - 50	
213	Starch- Corn, Potato			Misc.	See Hazard Rating (HR)	d			12 - 50	
214	Sugar/ sucrose			Misc.	See Hazard Rating (HR)	1			12 - 50	
215	Yeast			Misc.	See Hazard Rating (HR)	1			6 - 30	
216	Acetic Acid Glacial CH3CO2H (PEL 10 ppm)			O-1	Poison, Human mutation data reported, Experimental reproductive effects.	3			12 - 50 @	
217	Acetic Anhydride (CH3CO)2O (PEL 5 ppm)			O-1	Poison	3			6 - 30	
218	Ascorbic Acid (vitamin C) C6H8O6			O-1	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects.	2			6 - 30	
219	Benzoic Acid C6H5COOH			O-1	Poison	2			12 - 50	
220	Bile Salts			O-1	See Hazard Rating (HR)	D			6 - 30	

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221	Butyric Acid CH ₃ CH ₂ CH ₂ COOH			O-1	Poison, Human mutation data reported.	2			12 - 50	
222	Ethylenediaminetetraacetic Acid (EDTA) C ₁₀ H ₁₀ N ₂ O ₈ .2H ₂ O			O-1	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects.	3			12 - 50	
223	Gibberellic Acid			O-1	Poison, Questionable carcinogen with experimental tumorigenic data, Mutation data reported.	2			12 - 50 (1-5 Days for Solution)	
224	Indole-3-Acetic Acid			O-1	Poison, Human mutation data reported, Questionable carcinogen with experimental tumorigenic and Neoplastigenic data.	2			12 - 50	
225	Lactic Acid CHOHCOOH			O-1	See Hazard Rating (HR)	3			1 - 10 # #	
226	Lauric Acid CH ₃ (CH ₂) ₁₀ COOH			O-1	Poison, Questionable carcinogen with experimental neoplastigenic, Mutation data reported.	3			12 - 50	
227	Oleic Acid C ₁₈ H ₃₄ O ₂			O-1	Poison, Human mutation data reported, Questionable carcinogen with experimental tumorigenic effects.	3			1 - 10 #	
228	Oxalic Acid H ₂ C ₂ O ₄ .2H ₂ O (PEL 75 ppm)			O-1	Poison	3			12 - 50 @	
229	Salicylic Acid 2-HOC ₆ H ₄ OOH			O-1	Poison, Human mutation data reported, Experimental teratogenic data.	3			12 - 50	
230	Sebacyl Chloride			O-1	Poison	3			1 - 10	
231	Sodium Salicylate C ₇ H ₅ NaO ₃			O-1	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects.	3			1 - 10 #	
232	Stearic Acid CH(CH) ₂ COOH			O-1	Poison, Questionable carcinogen with experimental tumorigenic data.	3			12 - 50	
233	Succinic Acid (CH ₂ COOH) ₂			O-1	Poison	2			12 - 50	
234	Sulfanilic Acid NH ₂ C ₆ H ₄ SO ₃ H.H ₂ O			O-1	See Hazard Rating (HR)	D			12 - 50	
235	Tannic Acid C ₇₆ H ₅₂ O ₄₆			O-1	Poison, Human mutation data reported, Questionable carcinogen with experimental carcinogenic, reproductive effects and tumorigenic data.	3			12 - 50 #	
236	Tartaric Acid HO ₂ CCH(OH)CH(OH)COH			O-1	Poison	2			12 - 50	
237	Vinegar			O-1	See Hazard Rating (HR)	D			12 - 50	

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238	Catalase (powder)			O-1 Refrig-erated	See Hazard Rating (HR)	D			6 - 30	
239	1, 10-Phenanthroline C ₁₂ N ₈ N ₂ .H ₂ O			O-2	Poison, Human mutation data reported, Experimental teratogenic data.	3			1 - 10 # #	
240	1-Octadecanol CH ₃ (OH) ₂ 16CH ₂ OH			O-2	Poison, Questionable carcinogen with experimental neoplastigenic data.	3			12 - 50	
241	2-Octanol CH ₃ (OH) ₂ 3CH(OH)CH ₃			O-2	Poison	3			1 - 10	
242	Acetanilide CH ₃ CONHC ₆ H ₅			O-2	Poison, Human mutation data reported.	3			12 - 50	
243	Albumin Solution			O-2	Poison	3			1 - 10	
244	Amylase			O-2	See Hazard Rating (HR)	D			1 - 10 #, # #	
245	Butanol (Butyl Alcohol) CH ₃ (CH ₂) ₂ CH ₂ OH (PEL 50 ppm)			O-2	Poison, Experimental reproductive effects.	3			1 - 10 @	
246	Dextrin			O-2	See Hazard Rating (HR)	D			6 - 30	
247	Diphenylindolphenol= Indo-Phenol			O-2	Poison.	D			12 - 50	
248	Ethyl Alcohol C ₂ H ₅ OH Ethanol Alcohol			O-2	Poison, Experimental teratogenic data.	3			6 - 30 @	
249	Ethylene Glycol (PEL 50 ppm)			O-2	Poison, Experimental teratogenic and reproductive effects, Human mutation data reported.	3			1 - 10 # #	
250	Galactose			O-2						
251	Gelatin			O-2	See Hazard Rating (HR)	D			12 - 50	
252	Glucose (Dextrose)			O-2	See Hazard Rating (HR)	D			1 - 10	
253	Glutamic Acid			O-2	See Hazard Rating (HR)	D			12 - 50	
254	Glycerin C ₃ H ₈ O ₃			O-2	Poison, Human mutation data reported, Experimental reproductive effects.	3			12 - 50	
255	Gum			O-2	See Hazard Rating (HR)	D			12 - 50	
256	Hematoxylin			O-2	Poison, Questionable carcinogen.	3			6 - 40 #	
257	Hexamethylenediamine			O-2	Poison, Experimental teratogen.	3			12 - 50	
258	Iso-Amyl Alcohol (Insolently Alcohol) (PEL 100 ppm)			O-2	Poison, Questionable carcinogen with experimental carcinogenic data.	3			12 - 50	

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259	Iso-Butyl Alcohol (CH ₃) ₂ CHCH ₂ OH (PEL 50 ppm)			O-2	Poison, Human mutation data reported, Questionable carcinogen with experimental tumorigenic effects.	3			12 - 50 @	
260	Isopropyl Alcohol C ₃ H ₈ O (all concentrations)			O-2	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects, Questionable carcinogen.	3			1 - 10 @	
261	Lactose C ₁₂ H ₂₂ O ₁₁			O-2	Poison, Questionable carcinogen with experimental tumorigenic and teratogenic data.	3			12 - 50	
262	Laevulose= Fructose			O-2	Non Hazard	D			12 - 50	
263	Luminal			O-2						
264	Lycopodium			O-2	See Hazard Rating (HR)	D			12 - 50	
265	Methyl Alcohol 1M CH ₃ OH Methanol			O-2	Poison	3			6 - 12 @	
266	Methyl Cellulose			O-2	See Hazard Rating (HR)	1			6 - 30 @	
267	Pepsin			O-2	See Hazard Rating (HR)	D			12 - 50	
268	Polyvinyl alcohol			O-2						
269	Propyl Alcohol CH ₃ CH ₂ CH ₂ OH			O-2	Poison, Human mutation data reported, Questionable carcinogen with experimental carcinogenic data.	3			12 - 50	
270	Quinine Sulfate			O-2	Poison	3			12 - 50 #	
271	Sucrose C ₁₂ H ₂₂ O ₁₁ (PEL 15 mg/m ³)			O-2	Poison Human mutation data reported, Experimental teratogenic data.	D			12 - 50	
272	Triethanolamine N(CH ₂ CH ₂ OH) ₃			O-2	Poison	D			12 - 50	
273	Urea NH ₂ CONH ₂			O-2	Poison, Human reproductive effect, Questionable carcinogen with experimental carcinogenic and neoplastigenic data.	2			12 - 50	
274	Pancreatin			O-2 Refriger- ator	See Hazard Rating (HR)	D			1 - 10	
275	1-Pentanol (n) Amyl- Alcohol (PEL 100 ppm)			O-3	Poison, Narcotic.	3			6 - 30	
276	Balsam			O-3	See Hazard Rating (HR)	D			6 - 30	
277	Butyl Phthalate=Dibutyl Phthalate C ₁₆ H ₂₂ O ₄ (PEL 5 mg/m ³)			O-3	Poison, Human mutation data reported, Hallucinations.	3			1 - 10	
278	Carnauba Wax			O-3	See Hazard Rating (HR)	D			12 - 50	

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279	Cottonseed Oil			O-3	Questionable carcinogenic with experimental tumorigenic data, Experimental teratogenic effects.	2			12 - 50	
280	Ethyl Acetate CH₃COOC₂H₅			O-3	Poison, Mutation data reported.	3			6 - 30 @	
281	Heptane C ₇ H ₁₆			O-3	Poison, Narcotic, Hallucinations.	3			6 - 30	
282	Hexane C₆H₁₄			O-3	Poison	3			12 - 50 @	
283	Kerosene			O-3	Poison, Suspected carcinogen.	3			6 - 30 @	
284	Lanolin			O-3	See Hazard Rating (HR)	D			6 - 30	
285	Methyl Salicylate			O-3	Poison, Experimental teratogen and reproductive effects.	3			12 - 50	
286	Mineral Oil (Paraffin Oil) (PEL 5 mg/m ³)			O-3	Poison, Human teratogen data reported, Questionable carcinogen producing gastrointestinal tumors.	2			12 - 50	
287	Naphthalene (PEL 10 ppm)			O-3	Poison, Experimental teratogenic data, tumorigenic data and reproductive effects, Questionable carcinogen.	3			6 - 30	
288	n-Heptane C ₇ H ₁₆			O-3	Poison	3			6 - 30	
289	Oil (Vacuum pump, Motor)			O-3	Poison, Questionable carcinogen with experimental carcinogen, neoplastigenic and tumorigenic data.	3			12 - 50	
290	Paraffin (Wax)			O-3	Poison, Questionable carcinogen with experimental tumorigenic data.	2			12 - 50	
291	Pentane			O-3	Can irritate and burn the skin and eyes on contact	1			6 - 30	
292	Petroleum			O-3	Poison, Questionable carcinogen with experimental carcinogen, neoplastigenic and tumorigenic data.	3			12 - 50	
293	Petroleum Jelly			O-3	Poison, Questionable carcinogen with experimental carcinogen, neoplastigenic and tumorigenic data.	3			12 - 50	
294	Phenyl Salicylate			O-3	Poison, Experimental teratogenic and reproductive effects.	D			12 - 50	
295	Xylene, Ortho C₆H₄(CH₃)₂ (PEL 100 ppm)			O-3	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects.	3			6 - 30 @	
296	Acetone CH₃COCH₃ (PEL 750 ppm)			O-4	Poison, Experimental reproductive effects.	3			6-30 @	

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297	Camphor C10H16O (PEL 2 mg/m3)			O-4	Poison, Human mutation data reported.	3			12-50 @	
298	Chromatography Solution 9:1 Petroleum Ether: Acetone			O-4	See Petroleum Ether and Acetone.	D			12-50	
299	Methyl Ethyl Ketone CH3COC2H6			O-4	Poison, Experimental teratogenic data.	3			6-12 @	
300	Methylene Chloride			O-4	Poison	3			6-12	
301	2,6-Dichloroindophenol= DPIP Sodium Salt			O-8	Poison, Mutation data reported, Suspected carcinogen with experimental carcinogen and teratogenic data.	3			1-10 # #	
302	Acridine Orange			O-9	Poison, Human mutation data reported.	3			12-50	
303	Alizarin Yellow = Para-Nitrophenylazo Salicylate Sodium			O-9	Poison	2			12-50	
304	Bromcresol Green C21H13Br4O5S			O-9	Poison	D			12-50	
305	Bromcresol Purple Indicator Solution			O-9	Poison	D			12-50	
306	Bromophenol Blue C19H9Br4O5SNa			O-9	Poison	D			12-50	
307	Bromothymol Blue C27H27Br2O5SNa			O-9	Poison	D			12-50	
308	Carmine			O-9	See Hazard Rating (HR)	D			12-50	
309	Congo Red C32H22N6Na2O6S2			O-9	See Hazard Rating (HR)	D			12-50	
310	Cresol Indicator (PEL 5 ppm)			O-9	Poison,	3			12-50	
311	Crystal Violet Indicator C25H30CIN3 (Aniline Violet)			O-9	Poison, Experimental Teratogen, Reproductive Effects, Human Mutation Data Reported, Questionable Carcinogen With Experimental Carcinogenic Data.	3			12-50	
312	Eosin (Biological stain/indicator)			O-9	See Hazard Rating (HR)	1			12-50	
313	Eriochrome Black T (EBT) Indicator			O-9	See Hazard Rating (HR)	D			12-50	
314	Fluorescein C20H10O5Na2			O-9	See Hazard Rating (HR)	1			12-50	
315	Fuchsine Acid (biological stain/indicator) C20H17N3Na2O9S3			O-9	See Hazard Rating (HR)	1			12-50	
316	Fuchsine, Basic			O-9	See Hazard Rating (HR)	1			12-50	

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317	Gentian Violet=crystal violet			O-9	Poison, Experimental Teratogen, Reproductive Effects, Human Mutation Data Reported, Questionable Carcinogen With Experimental Carcinogenic Data.	3			12-50	
318	Indigo dye			O-9	See Hazard Rating (HR)	1			12-50 #	
319	Indigo Carmine (indicates stain)			O-9	See Hazard Rating (HR)	2			12-50 (6-For Solution)	
320	Janus Green B C30H31ClN6 (biological stain)			O-9	See Hazard Rating (HR)	1			12-50	
321	La Motte test tabs- qualitative version (used for MS)			O-9						
322	Litmus			O-9	See Hazard Rating (HR)	1			12-50	
323	Litmus Paper			O-9	See Hazard Rating (HR)	1			12-50	
324	Litmus Saturated-Aqueous			O-9	See Hazard Rating (HR)	1			12-50	
325	Methyl Orange Indicator Powder C14H15N3SO3Na			O-9	Highly Poisonous	3			12-50	
326	Methyl Red C15H15N3O2			O-9	See Hazard Rating (HR)	3			12-50	
327	Methylene Blue C16H18ClN3S.3H2O (biological stain)			O-9	Poison	3			12-50	
328	Nigrosine Black (biological stain)			O-9	See Hazard Rating (HR)	1			12-50	
329	Phenol Red			O-9	See Hazard Rating (HR)	D			12-50	
330	Phenolphthalein (indicator) C20H14O4			O-9	Poison	3			12-50	
331	Rhodamine B C28H31ClN2O3			O-9	Poison, Human mutation data reported, Experimental teratogenic and tumorigenic effects, Questionable carcinogen.	3			12-50	
332	Safranin (stain) (Based on Phenazine)			O-9	Poison, questionable human carcinogen with experimental tumorigenic data.	3			12-50	
333	Sudan III C22H16N4O			O-9	Poison	2			12-50	
334	Sudan IV (Biological stain)			O-9	Poison, Questionable carcinogen.	3			12-50	
335	Thymol Blue C27H29NaO5S			O-9	See Hazard Rating (HR)	D			12-50	
336	Toluidine Blue			O-9	Poison	D			12-50	
337	Universal Indicator Solution			O-9	See Hazard Rating (HR)	D			12-50	
338	Aspirin (acetyl salicylic acid)			O-misc.						

Line Item	CHEMICAL NAME	MANUFACTURER	MATERIAL SAFETY DATA SHEET YES / NO	COMPATIBLE STORAGE	HAZARD HEALTH EFFECTS	H. R.	TOTAL NUMBER OF CONTAINERS	TOTAL QUANTITY GM=GRAMS, KG=KILOGRAMS, LB=POUNDS, OZ=OUNCE, CC, LITER	SHELF LIFE (Months)	Expired Chemical YES/NO
339	LB broth			O-misc.						
340	Diastase Malt			Refrigerator	See Hazard Rating (HR)	D			1 - 10	
341	NO2 liquid for a demo			Secure with chain or in storage cabinet						
342	Chromium III Chloride CrC3l.6H2O (PEL 0.5 mg/m3) Prop. 65			Waste must be Disposed by OEHS I-2	Poison, Experimental teratogenic and reproductive effects. Human mutation data reported. No Waste Should be Disposed in the Sink	3			1 - 10 ##	
343	Nickelous III Chloride NiCl .6H O (PEL 0.1 mg/m3) 2 2 Prop. 65			Waste must be Disposed by OEHS I-2	Highly Poisonous, Suspected Carcinogen, Experimental Reproductive Effects, Mutation Data Reported No Waste Should be Disposed in the Sink	3			1 - 10 # #	
344	Nickelous Sulfate 3 NiSO4.6H2O (PEL 0.1mg/m) Prop. 65			Waste must be Disposed by OEHS I-2	Poison, Suspected carcinogen, Experimental reproductive effects. Human mutation data reported No Waste Should be Disposed in the Sink	3			12 - 50	
345	Lead Nitrate Pb(NO3)2 (PEL 0.05 mg/m3) Prop. 65			Waste must be Disposed by OEHS I-3	Poison, Human mutation data reported, Experimental teratogenic and reproductive effects, Questionable carcinogen. No Waste Should be Disposed in the Sink	3			12 - 50 @	
346	Lead Dioxide PbO2 Prop. 65			Waste must be Disposed by OEHS I-4	Poison, Experimental neoplastigenic and tumorigenic. No Waste Should be Disposed in the Sink	3			12 - 50 @	
347	Lead Oxide PbO Prop. 65			Waste must be Disposed by OEHS I-4	Poison, Experimental neoplastigenic and tumorigenic. No Waste Should be Disposed in the Sink	3			12 - 50 @	

CVUSD - List of Approved Chemicals, October 31, 2017

Line Item	CHEMICAL NAME	MANUFACTURER	MATERIAL SAFETY DATA SHEET YES / NO	COMPATIBLE STORAGE	HAZARD HEALTH EFFECTS	H. R.	TOTAL NUMBER OF CONTAINERS	TOTAL QUANTITY GM=GRAMS, KG=KILOGRAMS, LB=POUNDS, OZ=OUNCE, CC, LITER	SHELF LIFE (Months)	Expired Chemical YES/NO
348	Lime Water = calcium hydroxide Ca(OH) ₂			Waste must be Disposed by OEHS I-4	Poison, Experimental teratogenic data. No Waste Should be Disposed in the Sink	2			1 - 10	
349	Lithium Carbonate Li ₂ CO ₃ Prop. 65			Waste must be Disposed by OEHS I-4	Poison, Confirmed human carcinogen, Human reproductive effect No Waste Should be Disposed in the Sink	3			1 - 10 # #	
350	Potassium Bromate KBrO ₃ Prop. 65			Waste must be Disposed by OEHS I-6	(when heated) Poison, Confirmed human carcinogen, Human mutation data reported. No Waste Should be Disposed in the Sink	3			12 - 50	
351	Ammonium Nitrate NH ₄ NO ₃ Prop. 65			Waste must be Disposed by OEHS I-8	See Hazard Rating (HR) No Waste Should be Disposed in the Sink	3			6 - 30 @	
352	Toluene (PEL 100 ppm) Prop. 65			Waste must be Disposed by OEHS O-9	Poison, Hallucinations, Experimental reproductive effects, Mutation data reported No Waste Should be Disposed in the Sink				12-50 @	