

## APPENDIX A: ALPHABETICAL ORDER LIST OF EXTREMELY HAZARDOUS SUBSTANCES (SECTION 302 OF EPCRA)

For links to chemical profiles and Emergency Treatment and First Aid Guides, visit  
<http://www.epa.gov/swercepp/ehs/ehsalpha.html>

CAS Number	Name	Threshold Planning Quantity (TPQ)	Reportable Quantity for Release Incidents (RQ)
75865	Acetone cyanohydrin	1,000	10
1752303	Acetone thiosemicarbazide	1,000/10,000	1,000
107028	Acrolein	500	1
79061	Acrylamide	1,000/10,000	5,000
107131	Acrylonitrile	10,000	100
814686	Acrylyl chloride	100	100
111693	Adiponitrile	1,000	1,000
116063	Aldicarb	100/10,000	1
309002	Aldrin	500/10,000	1
107186	Allyl alcohol	1,000	100
107119	Allylamine	500	500
20859738	Aluminum phosphide	500	100
54626	Aminopterin	500/10,000	500
3734972	Amiton oxalate	100/10,000	100
78535	Amiton	500	500
7664417	Ammonia	500	100
300629	Amphetamine	1,000	1,000
62533	Aniline	1,000	5,000
88051	Aniline, 2,4,6-trimethyl-	500	500
7783702	Antimony pentafluoride	500	500
1397940	Antimycin A	1,000/10,000	1,000
86884	Antu	500/10,000	100
1303282	Arsenic pentoxide	100/10,000	1
1327533	Arsenous oxide	100/10,000	1
7784341	Arsenous trichloride	500	1
7784421	Arsine	100	100
2642719	Azinphos-ethyl	100/10,000	100
86500	Azinphos-methyl	10/10,000	1
98873	Benzal chloride	500	5,000
98168	Benzenamine, 3-(trifluoromethyl)-	500	500
100141	Benzene, 1-(chloromethyl)-4-nitro-	500/10,000	500
98055	Benzeneearsonic acid	10/10,000	10
3615212	Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-	500/10,000	500
98077	Benzotrichloride	100	10
100447	Benzyl chloride	500	100
140294	Benzyl cyanide	500	500
57578	beta-Propiolactone	500	10

CAS Number	Name	TPQ	RQ
15271417	Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-(((methylamino)carbonyloxy)imino)-, (1-alpha,2-beta,4-alpha,5-alpha,6E)-	500/10,000	500
534076	Bis(chloromethyl) ketone	10/10,000	10
4044659	Bitoscanate	500/10,000	500
353424	Boron trifluoride compound with methyl ether (1:1)	1,000	1,000
10294345	Boron trichloride	500	500
7637072	Boron trifluoride	500	500
28772567	Bromadiolone	100/10,000	100
7726956	Bromine	500	500
2223930	Cadmium stearate	1,000/10,000	1,000
1306190	Cadmium oxide	100/10,000	100
7778441	Calcium arsenate	500/10,000	1
8001352	Camphchlor	500/10,000	1
56257	Cantharidin	100/10,000	100
51832	Carbachol chloride	500/10,000	500
26419738	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)methylene)amino)-	100/10,000	1
1563662	Carbofuran	10/10,000	10
75150	Carbon disulfide	10,000	100
786196	Carbophenothion	500	500
57749	Chlordane	1,000	1
470906	Chlorfenvinfos	500	500
7782505	Chlorine	100	10
24934916	Chlormephos	500	500
999815	Chlormequat chloride	100/10,000	100
79118	Chloroacetic acid	100/10,000	100
107073	Chloroethanol	500	500
627112	Chloroethyl chloroformate	1,000	1,000
67663	Chloroform	10,000	10
107302	Chloromethyl methyl ether	100	10
542881	Chloromethyl ether	100	10
3691358	Chlorophacinone	100/10,000	100
1982474	Chloroxuron	500/10,000	500
21923239	Chlorthiophos	500	500
10025737	Chromic chloride	1/10,000	1
10210681	Cobalt carbonyl	10/10,000	10
62207765	Cobalt, ((2,2'-(1,2-ethanediy)bis(nitrilomethylidyne))bis(6-fluorophenylato))(2-)-N,N',O,O'-	100/10,000	100
64868	Colchicine	10/10,000	10
56724	Coumaphos	100/10,000	10
5836293	Coumatetralyl	500/10,000	500
535897	Crimidine	100/10,000	100
4170303	Crotonaldehyde	1,000	100
123739	Crotonaldehyde, (E)-	1,000	100
506683	Cyanogen bromide	500/10,000	1,000
506785	Cyanogen iodide	1,000/10,000	1,000
2636262	Cyanophos	1,000	1,000
675149	Cyanuric fluoride	100	100
66819	Cycloheximide	100/10,000	100
108918	Cyclohexylamine	10,000	10,000
17702419	Decaborane(14)	500/10,000	500
8065483	Demeton	500	500
919868	Demeton-S-methyl	500	500
10311849	Dialifor	100/10,000	100
19287457	Diborane	100	100
111444	Dichloroethyl ether	10,000	10
149746	Dichloromethylphenylsilane	1,000	1,000
62737	Dichlorvos	1,000	10
141662	Dicrotophos	100	100
1464535	Diepoxybutane	500	10
814493	Diethyl chlorophosphate	500	500
71636	Digitoxin	100/10,000	100
2238075	Diglycidyl ether	1,000	1,000
20830755	Digoxin	10/10,000	10
115264	Dimefox	500	500
60515	Dimethoate	500/10,000	10
2524030	Dimethyl phosphorochloridothioate	500	500

CAS Number	Name	TPQ	RQ
77781	Dimethyl sulfate	500	100
99989	Dimethyl-p-phenylenediamine	10/10,000	10
75785	Dimethyldichlorosilane	500	500
57147	Dimethylhydrazine	1,000	10
644644	Dimetilan	500/10,000	1
534521	Dinitrocresol	10/10,000	10
88857	Dinoseb	100/10,000	1,000
1420071	Dinoterb	500/10,000	500
78342	Dioxathion	500	500
82666	Diphacinone	10/10,000	10
152169	Diphosphoramidate, octamethyl-	100	100
298044	Disulfoton	500	1
514738	Dithiazanine iodide	500/10,000	500
541537	Dithiobiuret	100/10,000	100
316427	Emetine, dihydrochloride	1/10,000	1
115297	Endosulfan	10/10,000	1
2778043	Endothion	500/10,000	500
72208	Endrin	500/10,000	1
106898	Epichlorohydrin	1,000	100
2104645	EPN	100/10,000	100
50146	Ergocalciferol	1,000/10,000	1,000
379793	Ergotamine tartrate	500/10,000	500
1622328	Ethanesulfonyl chloride, 2-chloro-	500	500
10140871	Ethanol, 1,2-dichloro-, acetate	1,000	1,000
563122	Ethion	1,000	10
13194484	Ethoprophos	1,000	1,000
538078	Ethylbis(2-chloroethyl)amine	500	500
371620	Ethylene fluorohydrin	10	10
75218	Ethylene oxide	1,000	10
107153	Ethylenediamine	10,000	5,000
151564	Ethyleneimine	500	1
542905	Ethylthiocyanate	10,000	10,000
22224926	Fenamiphos	10/10,000	10
115902	Fensulfothion	500	500
4301502	Fluometil	100/10,000	100
7782414	Fluorine	500	10
640197	Fluoroacetamide	100/10,000	100
144490	Fluoroacetic acid	10/10,000	10
359068	Fluoroacetyl chloride	10	10
51218	Fluorouracil	500/10,000	500
944229	Fonofos	500	500
107164	Formaldehyde cyanohydrin	1,000	1,000
50000	Formaldehyde	500	100
23422539	Formetanate hydrochloride	500/10,000	1
2540821	Formothion	100	100
17702577	Formparanate	100/10,000	1
21548323	Fosthietan	500	500
3878191	Fuberidazole	100/10,000	100
110009	Furan	500	100
13450903	Gallium trichloride	500/10,000	500
77474	Hexachlorocyclopentadiene	100	10
4835114	Hexamethylenediamine, N,N'-dibutyl-	500	500
302012	Hydrazine	1,000	1
74908	Hydrocyanic acid	100	10
7647010	Hydrogen chloride (gas only)	500	5,000
7783075	Hydrogen selenide	10	10
7664393	Hydrogen fluoride	100	100
7722841	Hydrogen peroxide (Conc. > 52%)	1,000	1,000
7783064	Hydrogen sulfide	500	100
123319	Hydroquinone	500/10,000	100
13463406	Iron, pentacarbonyl-	100	100
297789	Isobenzan	100/10,000	100
78820	Isobutyronitrile	1,000	1,000
102363	Isocyanic acid, 3,4-dichlorophenyl ester	500/10,000	500
465736	Isodrin	100/10,000	1
55914	Isosulfophate	100	100
4098719	Isophorone diisocyanate	100	100
108236	Isopropyl chloroformate	1,000	1,000

CAS Number	Name	TPQ	RQ
119380	Isopropylmethylpyrazolyl dimethylcarbamate	500	1
78977	Lactonitrile	1,000	1,000
21609905	Leptophos	500/10,000	500
541253	Lewisite	10	10
58899	Lindane	1,000/10,000	1
7580678	Lithium hydride	100	100
109773	Malononitrile	500/10,000	1,000
12108133	Manganese, tricarbonyl methylcyclopentadienyl	100	100
51752	Mechlorethamine	10	10
950107	Mephosfolan	500	500
1600277	Mercuric acetate	500/10,000	500
21908532	Mercuric oxide	500/10,000	500
7487947	Mercuric chloride	500/10,000	500
10476956	Methacrolein diacetate	1,000	1,000
760930	Methacrylic anhydride	500	500
126987	Methacrylonitrile	500	1,000
920467	Methacryloyl chloride	100	100
30674807	Methacryloyloxyethyl isocyanate	100	100
10265926	Methamidophos	100/10,000	100
558258	Methanesulfonyl fluoride	1,000	1,000
950378	Methidathion	500/10,000	500
2032657	Methiocarb	500/10,000	10
16752775	Methomyl	500/10,000	100
151382	Methoxyethylmercuric acetate	500/10,000	500
78944	Methyl vinyl ketone	10	10
60344	Methyl hydrazine	500	10
556649	Methyl thiocyanate	10,000	10,000
556616	Methyl isothiocyanate	500	500
79221	Methyl chloroformate	500	1,000
3735237	Methyl phenkapton	500	500
74931	Methyl mercaptan	500	100
80637	Methyl 2-chloroacrylate	500	500
676971	Methyl phosphonic dichloride	100	100
74839	Methyl bromide	1,000	1,000
624839	Methyl isocyanate	500	10
502396	Methylmercuric dicyanamide	500/10,000	500
75796	Methyltrichlorosilane	500	500
1129415	Metolcarb	100/10,000	1
7786347	Mevinphos	500	10
315184	Mexacarbate	500/10,000	1,000
50077	Mitomycin C	500/10,000	10
6923224	Monocrotophos	10/10,000	10
2763964	Muscimol	500/10,000	1,000
505602	Mustard gas	500	500
13463393	Nickel carbonyl	1	10
65305	Nicotine sulfate	100/10,000	100
54115	Nicotine	100	100
7697372	Nitric acid	1,000	1,000
10102439	Nitric oxide	100	10
98953	Nitrobenzene	10,000	1,000
1122607	Nitrocyclohexane	500	500
10102440	Nitrogen dioxide	100	10
62759	Nitrosodimethylamine	1,000	10
991424	Norbormide	100/10,000	100
95487	o-Cresol	1,000/10,000	100
NONE	Organorhodium Complex (PMN-82-147)	10/10,000	10
630604	Ouabain	100/10,000	100
23135220	Oxamyl	100/10,000	1
78717	Oxetane, 3,3-bis(chloromethyl)-	500	500
2497076	Oxydisulfoton	500	500
10028156	Ozone	100	100
2074502	Paraquat methosulfate	10/10,000	10
1910425	Paraquat dichloride	10/10,000	10
56382	Parathion	100	10
298000	Parathion-methyl	100/10,000	100
12002038	Paris green	500/10,000	1
19624227	Pentaborane	500	500
2570265	Pentadecylamine	100/10,000	100

CAS Number	Name	TPQ	RQ
79210	Peracetic acid	500	500
594423	Perchloromethyl mercaptan	500	100
108952	Phenol	500/10,000	1,000
64006	Phenol, 3-(1-methylethyl)-, methylcarbamate	500/10,000	1
4418660	Phenol, 2,2'-thiobis[4-chloro-6-methyl-	100/10,000	100
58366	Phenoxarsine, 10,10'-oxydi-	500/10,000	500
696286	Phenyl dichloroarsine	500	1
59881	Phenylhydrazine hydrochloride	1,000/10,000	1,000
62384	Phenylmercury acetate	500/10,000	100
2097190	Phenylsilatrane	100/10,000	100
103855	Phenylthiourea	100/10,000	100
298022	Phorate	10	10
4104147	Phosacetim	100/10,000	100
947024	Phosfolan	100/10,000	100
75445	Phosgene	10	10
732116	Phosmet	10/10,000	10
13171216	Phosphamidon	100	100
7803512	Phosphine	500	100
2703131	Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phenyl) ester	500	500
50782699	Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino)ethyl) O-ethyl ester	100	100
2665307	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl ester	500	500
3254635	Phosphoric acid, dimethyl 4-(methylthio) phenyl ester	500	500
2587908	Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl)ester	500	500
10025873	Phosphorus oxychloride	500	1,000
10026138	Phosphorus pentachloride	500	500
7719122	Phosphorus trichloride	1,000	1,000
7723140	Phosphorus	100	1
57476	Physostigmine	100/10,000	1
57647	Physostigmine, salicylate (1:1)	100/10,000	1
124878	Picrotoxin	500/10,000	500
110894	Piperidine	1,000	1,000
23505411	Pirimifos-ethyl	1,000	1,000
151508	Potassium cyanide	100	10
10124502	Potassium arsenite	500/10,000	1
506616	Potassium silver cyanide	500	1
2631370	Promecarb	500/10,000	1
106967	Propargyl bromide	10	10
107120	Propionitrile	500	10
542767	Propionitrile, 3-chloro-	1,000	1,000
70699	Propiophenone, 4'-amino	100/10,000	100
109615	Propyl chloroformate	500	500
75569	Propylene oxide	10,000	100
75558	Propyleneimine	10,000	1
2275185	Prothoate	100/10,000	100
129000	Pyrene	1,000/10,000	5,000
504245	Pyridine, 4-amino-	500/10,000	1,000
140761	Pyridine, 2-methyl-5-vinyl-	500	500
1124330	Pyridine, 4-nitro-, 1-oxide	500/10,000	500
53558251	Pyriminil	100/10,000	100
14167181	Salcomine	500/10,000	500
107448	Sarin	10	10
7783008	Selenious acid	1,000/10,000	10
7791233	Selenium oxychloride	500	500
563417	Semicarbazide hydrochloride	1,000/10,000	1,000
3037727	Silane, (4-aminobutyl)diethoxymethyl-	1,000	1,000
13410010	Sodium selenate	100/10,000	100
7784465	Sodium arsenite	500/10,000	1
62748	Sodium fluoroacetate	10/10,000	10
124652	Sodium cacodylate	100/10,000	100
143339	Sodium cyanide (Na(CN))	100	10
7631892	Sodium arsenate	1,000/10,000	1
10102188	Sodium selenite	100/10,000	100
26628228	Sodium azide (Na(N3))	500	1,000
10102202	Sodium tellurite	500/10,000	500

CAS Number	Name	TPQ	RQ
900958	Stannane, acetoxytriphenyl-	500/10,000	500
57249	Strychnine	100/10,000	10
60413	Strychnine, sulfate	100/10,000	10
3689245	Sulfotep	500	100
3569571	Sulfoxide, 3-chloropropyl octyl	500	500
7446119	Sulfur trioxide	100	100
7446095	Sulfur dioxide	500	500
7783600	Sulfur tetrafluoride	100	100
7664939	Sulfuric acid	1,000	1,000
77816	Tabun	10	10
7783804	Tellurium hexafluoride	100	100
107493	Tepp	100	10
13071799	Terbufos	100	100
78002	Tetraethyl lead	100	10
597648	Tetraethyltin	100	100
75741	Tetramethyllead	100	100
509148	Tetranitromethane	500	10
10031591	Thallium sulfate	100/10,000	100
2757188	Thallos malonate	100/10,000	100
6533739	Thallos carbonate	100/10,000	100
7791120	Thallos chloride	100/10,000	100
7446186	Thallos sulfate	100/10,000	100
2231574	Thiocarbazide	1,000/10,000	1,000
39196184	Thiofanox	100/10,000	100
297972	Thionazin	500	100
108985	Thiophenol	500	100
79196	Thiosemicarbazide	100/10,000	100
5344821	Thiourea, (2-chlorophenyl)-	100/10,000	100
614788	Thiourea, (2-methylphenyl)-	500/10,000	500
7550450	Titanium tetrachloride	100	1,000
91087	Toluene-2,6-diisocyanate	100	100
584849	Toluene-2,4-diisocyanate	500	100
110576	trans-1,4-Dichlorobutene	500	500
1031476	Triamiphos	500/10,000	500
24017478	Triazofos	500	500
1558254	Trichloro(chloromethyl)silane	100	100
27137855	Trichloro(dichlorophenyl)silane	500	500
76028	Trichloroacetyl chloride	500	500
115219	Trichloroethylsilane	500	500
327980	Trichloronate	500	500
98135	Trichlorophenylsilane	500	500
998301	Triethoxysilane	500	500
75774	Trimethylchlorosilane	1,000	1,000
824113	Trimethylolpropane phosphite	100/10,000	100
1066451	Trimethyltin chloride	500/10,000	500
639587	Triphenyltin chloride	500/10,000	500
555771	Tris(2-chloroethyl)amine	100	100
2001958	Valinomycin	1,000/10,000	1,000
1314621	Vanadium pentoxide	100/10,000	1,000
108054	Vinyl acetate monomer	1,000	5,000
129066	Warfarin sodium	100/10,000	100
81812	Warfarin	500/10,000	100
28347139	Xylylene dichloride	100/10,000	100
1314847	Zinc phosphide	500	100
58270089	Zinc,dichloro(4,4-dimethyl-5(((methylamino)carbonyl)oxy)imino)pentanenitrile)-, (T-4)-	100/10,000	100