

Selected and Alternate Chemicals												
Alternate Chemicals												
GHS <sup>1</sup> Category/Chemical	RC <sup>2</sup> No.	Rodent Oral LD50 <sup>3</sup> (mg/kg)	Indication of Human Exposure Potential/Data <sup>4</sup>	Corrosivity <sup>5</sup>	Product/Use	GHS <sup>1</sup> Category/Chemical	RC <sup>2</sup> No.	Rodent Oral LD50 <sup>3</sup> (mg/kg)	Indication of Human Exposure Potential/Data <sup>4</sup>	Corrosivity <sup>5</sup>	Notes	Product/Use Class
<b>LD50 &lt; 5 mg/kg</b>												
Mercury II chloride	29	1	MEIC, NTP, TESS, EDIT	PGII	Pesticide	Aflatoxin B1	37	5.0		PGI		Food contaminant
Triethylenemelamine	143	1.0		PGII	Manufacturing							
Sodium selenate		1.6	NTP, TESS	PGI	Feed additive							
Busulphan	177	1.9		PGIII	Pharmaceutical							
Cycloheximide	13	2.0			Pesticide							
Disulfoton	51	2.0	EPA	PGI	Insecticide							
Parathion	49	2.0	NTP, EPA	PGI	Insecticide							
Strychnine		2	MEIC, EPA, TESS	PGI	Pesticide							
Aminopterin	3	3.0		PGI	Medicinal							
Phenylthiourea	234	3.0	NTP	PGI	Pesticide							
Epinephrine bitartrate	169	4.0	NTP (HCl salt)		Pharmaceutical							
Physostigmine		4.5			Pharmaceutical							
<b>LD50 &gt; 5 - ≤ 50 mg/kg</b>												
Colchicine	6	6	MEIC, TESS		Pharmaceutical	t-Butylamine		30	NTP, HPV, EPA	PGII		Manufacturing
Potassium cyanide	252	10	MEIC, TESS, EDIT	PGI	Electroplating	2,4-Dinitrophenol	68	30	NTP, HPV	PGI		Pesticide, manufacturing
Dichlorvos (DDVP)		17	NTP, HPV, EPA, TESS	PGI	Pesticide	Acrolein	179	46	NTP, HPV, EPA, TESS	PGI	Volatile (BP=52C)	Pesticide, manufacturing
Digoxin	22	18	MEIC, TESS,	PGI	Pharmaceutical							
Fenpropothrin		18	EPA	PGII	Pesticide							
Endosulfan		18	EPA, NTP, TESS	PGI	Pesticide							
Arsenic III trioxide	153	20	MEIC, NTP, EPA, TESS, EDIT	PGII	Pesticide							
Thallium I sulfate	181	29	MEIC, TESS,	PGII	Pesticide							
Sodium arsenite		41	TESS	PGII	Pesticide							
Triphenyltin hydroxide	132	44	NTP, HPV, EPA	PGII	Pesticide							
Sodium dichromate	144	50	NTP, EPA	PGII	Oxidizing agent							
Nicotine	103	50	MEIC,	PGII	Pharmaceutical							

LD50 > 50 - ≤ 300 mg/kg							LD50 > 50 - ≤ 300 mg/kg							
Paraquat	235	58	MEIC,	PGII	Pesticide	Pentachlorophenol	173	51	MEIC, NTP	PGII				Disinfectant
Hexachlorophene	157	61	MEIC, NTP,TESS	PGIII	Disinfectant	Amphetamine sulfate	262	55	MEIC, NTP,TESS, EDIT	PGII	DEA			Pharmaceutical
Lindane	223	76	MEIC, NTP, EPA	PGIII	Pesticide	Rotenone	134	60		NTP, EPA,TESS				Pesticide
Cadmium II chloride	20	88	TESS		Veterinary pharmaceutical	Furfural		65	NTP, HPV	PGII			Solvent, food additive	
Verapamil HCl	196	108	MEIC,TESS,	PGIII	Pharmaceutical	p-Phenylenediamine	180	80	NTP	PGIII			Dyeing	
Haloperidol		128	MEIC, TESS		Pharmaceutical	Chlorpyrifos		82	EPA,TESS	PGII			Pesticide	
Sodium oxalate	227	155	MEIC,			Dextropropoxyphene HCl	229	83	MEIC,TESS				Pharmaceutical	
Phenobarbital	118	163	MEIC,TESS		Pharmaceutical	Methadone		86	MEIC,TESS	PGII	DEA		Pharmaceutical	
Sodium I fluoride	106	180	MEIC, NTP, EPA,	PGIII	Electroplating, fluoridation	Fipronil		92	EPA				Pesticide	
Caffeine	112	192	MEIC, NTP,	PGIII	Pharmaceutical, food additive	Pentobarbital		125	MEIC,TESS		DEA		Pharmaceutical	
Diquat dibromide		231	MEIC,TESS		Pesticide	Bromoxynil (phenol)		190	EPA				Pesticide	
Cupric sulfate * 5 H <sub>2</sub> O	81	300	MEIC, NTP,	PGIII	Pesticide	Diphenylhydantoin	82	199	MEIC, NTP,TESS	PGIII			Pharmaceutical	
						Carbaryl	73	230	EPA				Pesticide	
						Metaldehyde		250	EPA,TESS				Pesticide	
LD50 > 300 - ≤ 2000 mg/kg						LD50 > 300 - ≤ 2000 mg/kg								
Amitriptyline HCl	183	319	MEIC,TESS,		Pharmaceutical	Ferrous sulfate	261	319	MEIC, TESS				Food additive	
Phenol	115	414	MEIC, NTP, HPV,	PGII	Disinfectant	Warfarin	86	324	MEIC, EPA,TESS	PGI			Pharmaceutical, pesticide	
Propranolol HCl	54	470	MEIC, TESS		Pharmaceutical	Disopyramide		333	MEIC, TESS				Pharmaceutical	
Chloral hydrate	264	479	MEIC, NTP,TESS		Pharmaceutical	Barium II nitrate	246	355	MEIC,TESS	PGII			Pyrotechnic	
Glutethimide	101	600	MEIC,TESS,		Pharmaceutical	Thioridazine HCl	170	358	MEIC,TESS				Pharmaceutical	
Atropine sulfate	70	623	MEIC,TESS		Pharmaceutical	Methyl phenidate		367	NTP		DEA		Pharmaceutical	
Valproic acid		670	MEIC,TESS		Pharmaceutical	Molinate		369	EPA				Pesticide	
Meprobamate		794	MEIC,TESS		Pharmaceutical	2,4-Dichlorophenoxyacetic acid	89	369	MEIC, NTP, HPV,				Pesticide	
Acetylsalicylic acid	107	1000	MEIC,TESS,	PGIII	Pharmaceutical	Orphenadrine HCl	230	425	MEIC	PGIII			Pharmaceutical	
Lithium I sulfate	327	1187	MEIC,TESS		Pharmaceutical	Trichlorfon	75	451	NTP, EPA	PGII			Pesticide	
Procainamide		1950	MEIC, TESS		Pharmaceutical	Quinidine sulfate	53	456	MEIC				Pharmaceutical	
Carbamazepine		1957	MEIC,TESS		Pharmaceutical	1,3-Dichloropropene		470	NTP, HPV, EPA				Pesticide	
						Theophylline	105	600	MEIC, NTP,TESS				Pharmaceutical	
						Isoniazid	123	650	MEIC,TESS				Pharmaceutical	
						Diazepam	63	709	MEIC,NTP,TESS, EDIT	PGIII	DEA		Pharmaceutical	
						Maprotiline		760	MEIC,TESS				Pharmaceutical	
						Methyl eugenol		810	NTP				Food additive	
						Diphenhydramine HCl	71	855	MEIC, NTP,TESS				Pharmaceutical	
						Malathion	67	885	MEIC, NTP,	PGI			Pesticide	
						Salicylic acid	272	891	HPV, TESS				Pharmaceutical	
						Chloroform	308	908	MEIC, NTP, HPV	PGIII	Volatile (BP=61C)	Solvent		
						Chloroquine diphosphate	31	970	MEIC				Pharmaceutical	

					Ibuprofen	233	1009	TESS			Pharmaceutical
					Nalidixic acid	99	1349	NTP			Pharmaceutical
					Dichloromethane	328	1597	MEIC, NTP, HPV,TESS	PGIII	Volatile (BP=40C)	Solvent
					Antipyrene	300	1800				Pharmaceutical
<b><i>LD50 &gt; 2000 - &lt; 5000 mg/kg</i></b>						<b><i>LD50 &gt; 2000 - &lt; 5000 mg/kg</i></b>					
Acetaminophen	113	2404	MEIC, NTP,TESS, EDIT		Pharmaceutical						
Potassium I chloride	346	2602	MEIC,TESS		Pharmaceutical, manufacturing						
Sodium chloride	344	2998	MEIC, EPA,TESS, EDIT		Pharmaceutical, food additive						
Chloramphenicol	91	3393	MEIC, NTP		Pharmaceutical						
Boric aid		2660	NTP, EPA,TESS		Pesticide						
Lactic acid	341	3730	NTP, HPV		Food additive						
Citric Acid		3000	NTP, HPV, EPA		Food additive						
Dimethylformamide	351	2800	HPV		Solvent						
Xylene	301	4300	MEIC, NTP, HPV,TESS		Solvent						
Trichloroacetic acid	294	4999	NTP		Fixative						
Acetonitrile	358	3798	NTP, HPV		Solvent						
Carbon tetrachloride	125	2799	MEIC, NTP, HPV,TESS	PGII	Solvent						
<b><i>LD50 &gt; 5000 mg/kg</i></b>						<b><i>LD50 &gt; 5000 mg/kg</i></b>					
2-Propanol	128	5843	MEIC, HPV, EPA,TESS		Disinfectant						
Ethylene glycol	360	8567	MEIC, NTP, HPV,TESS, EDIT		Antifreeze						
Ethanol	130	14008	MEIC, NTP, HPV, EPA,TESS		Solvent						
1,1,1-Trichloroethane	297	10298	MEIC, NTP, HPV	PGIII	Solvent						
Methanol	361	13012	MEIC, NTP, HPV,TESS, EDIT	PGII	Solvent						
Propylparaben	209	6326	NTP		Food additive						
5-Aminosalicylic acid	120	7749	NTP		Pharmaceutical						
Sodium hypochlorite		8910	TESS		Disinfectant						
Dibutyl phthalate	88	11998	NTP, HPV		Plasticizer						
Glycerol	131	12691	NTP, HPV		Solvent						
Gibberellic acid	108	6305	NTP, EPA		Plant growth regulator						
Diethyl phthalate	122	6179	NTP, HPV		Plasticizer						