



DREXEL UNIVERSITY
Department of
**Environmental
Health & Safety**

Hazardous Material Guide

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The purpose of this guide is to provide laboratory personnel a central document that lists specific chemicals with hazardous properties. The following hazards are contained in this document:

[EPA Acutely Hazardous Chemical List](#)

[EPA Hazardous Chemical List](#)

[Toxic and Reactive Chemical List](#)

[Highly Flammable Chemical List](#)

[Peroxidizable Chemical List](#)

[Shock Sensitive Chemical List](#)

[Reproductive, Teratogenic, and Mutagenic Chemical List](#)

[Infectious Agent Reproductive Hazard List](#)

[Female Reproductive Hazardous Chemical List](#)

[Male Reproductive Hazardous Chemical List](#)

[Potential Teratogenic Chemicals Under Investigation](#)



Acutely Hazardous Chemical List

Acetaldehyde, chloro	Ethanimidothioic acid,	Phosphorothioic acid, 0,0,-dimethyl 0,(4-nitrophenyl) ester
Acetamide, N-(aminothioxomethyl)	Ethyl cyanide	Physostigmine.
Acetamide, 2-fluoro	Ethyleneimine	Physostigmine salicylate.
Acetic acid, fluoro-, sodium salt	Famphur	Plumbane, tetraethyl
1-Acetyl-2-thiourea	Fluorine	Potassium cyanide
Acrolein	Fluoroacetamide	Potassium cyanide K(CN)
Aldicarb	Fluoroacetic acid, sodium salt	Potassium silver cyanide
Aldicarb sulfone.	Formetanate hydrochloride.	Promecarb
Aldrin	Formparanate.	Propanal, 2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime
Allyl alcohol	Fulminic acid, mercury(2+) salt (R,T)	Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime.
Aluminum phosphide (R,T)	Heptachlor	Propanenitrile
5-(Aminomethyl)-3-isoxazolol	Hexaethyltetraphosphate	Propanenitrile, 3-chloro
4-Aminopyridine	Hydrazinecarbothioamide	Propanenitrile, 2-hydroxy-2-methyl
Ammonium picrate (R)	Hydrazine, methyl	1,2,3-Propanetdol, trinitrate (R)
Ammonium vanadate	Hydrocyanic acid	2-Propanone, 1-bromo
Argentate(1-), bis(cyano-C)-, potassium	Hydrogen cyanide	Propargyl alcohol
Arsenic acid H3 AsO4	Hydrogen phosphate	2-Propenal
Arsenic Oxide As2 O3	Isodrin	2-Propen-1-of
Arsenic oxide As= OS	Isolan.	2-Propylenimine
Arsenic pentoxide	3-Isopropylphenyl N-methylcarbamate.	2-Propyn-1-of
Arsenic trioxide	3(2H)-Isoxazolone, 5-(aminomethyl)	4-Pyridinamine
Arsine, diethyl	Manganese, bis(dimethylcarbamodithioato-S,S')-,	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, 8 salts
Arsonous dichloride, phenyl	Manganese dimethyldithiocarbamate.	Selenious acid, dithallium(1+) salt
Aziridine	Mercury, (acetato-0)phenyl	Silver cyanide
Aziridine, 2-methyl	Mercury fulminate (R,T)	Silver cyanide Ag(CN)
Barium cyanide	Methanamine, N-methyl-N-nitroso	Sodium azide
Benzenamine, 4-chloro	Methane, isocyanato	Sodium cyanide
Benzenamine, 4-nitro	Methane, oxybis[chloro	Sodium cyanide Na(CN)
Benzene, (chloromethyl)-	Methane, tetranitro- (R)	Strychnidin-10-one, & salts
1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)	Methanethiol, trichloro	Strychnidin-10-one, 2,3-dimethoxy
Benzeneethanamine, alpha,alpha-dimethyl	Methanimidamide,	Strychnine, & salts
Benzenethiol	N,N-dimethyl-N'-[2-methyl-4-[(methylamino)carbonyl]oxy]phenyl]	Sulfuric acid, dithallium(1+) salt
Benzyl chloride	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10	Tetraethyldithiopyrophosphate



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Beryllium powder	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro	Tetraethyl lead
Bromoacetone	Melhiocarb.	Tetraethyl pyrophosphate
Brocine	Methomyl	Tetranilromethane (R)
2-Butanone, 3,3-dimethyl-1-(methylthio)-,	Methyl hydrazine	Tetraphosphoric acid, hexaethyl ester
Calcium cyanide	Methyl isocyanate	Thallic oxide
Calcium cyanide Ca(CN):	2-Methylactonitrile	Thallium oxide Tl ₂ O,
Carbamic acid, [(dibutylamino)- thio]methyl-, 2,3-dihydro-2,2-dimethyl- 7-benzofuranyl ester	Methyl parathion	Thallium(I) selenite
Carbamic acid, dimethyl-, 1- [(dimethyl-amino)carbonyl]- 5-methyl-1H- pyrazol-3-yl ester.	Metolcarb.	Thallium(I) sulfate
Carbamic acid, dimethyl-, 3-methyl-1- (1-methylethyl)-1H-pyrazol-5-yl ester.	Mexacarbate.	Thiodiphosphoric acid, tetraethyl ester
Carbamic acid, methyl-, 3-methylphenyl ester.	alpha-Naphthylthiourea	Thiofanox
Carbofuran.	Nickel carbonyl	Thioimidodicarbonic diamide [(H= N)C(S)I= NH
Carbon disulfde	Nickel carbonyl Ni(CO) ₄ , (T-4)	Thiophenol
Carbonic dichloride	Nickel cyanide	Thiosemicarbazide
Carbosulfan.	Nickel cynide Ni(CN):	Thiourea, (2-chlorophenyl)
Chloroacetaldehyde	Nicotine, & salts	Thiourea, 1-naphthalenyl
p-Chloroaniline	Nitric oxide	Thiourea, phenyl
1-(o-Chlorophenyl)thiourea	p-Nitroaniline	Tirpate.
3-Chloropropionitrile	Nitrogen dioxide	Toxaphene
Copper cyanide	Nitrogen oxide NO	Trichloromethanethiol
Copper cyanide Cu(CN)	Nitrogen oxide NO,	Vanadic acid, ammonium salt
m-Cumenyl methylcarbamate.	Nitroglycerine (R)	Vanadium oxide V ₂ O ₅
Cyanides (soluble cyanide salts), not otherwise specified	N-Nitrosodimethylamine	Vanadium pentoxide
Cyanogen	N-Nitrosomethylvinylamine	Vinylamine, N-methyl-N-nitroso
Cyanogen chloride	Octamethylpyrophosphoramide	Selenourea
Cyanogen chloride (CN)Cl	Osmium oxide O ₃ ,, (T-4)	Warfarin, & salts, when present at concentrations greater than 0.3
2-Cyclohexyl-4,6-dinitrophenol	Osmium tetroxide	Zinc, bis(dimethylcarbamodithioalo-S,S')-
Dichloromethyl ether	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	Zinc cyanide
Dichlorophenylarsine	Oxamyl.	Zinc cyanide Zn(CN) ₂
Dieldrin	Parathion	Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10% (R,T)
Diethylarsine	Phenol, 2-cyclohexyl-4,6-dinitro	Ziram
Diethyl-p-nitrophenyl phosphate	Phenol, 2,4-dinitro	Acrylamide



O,O-Diethyl O-pyrazinyl phosphorothioate	Phenol, 2-methyl-4,6-dinitro-, 8 salts	Hydrogen sulfide
Diisopropylfluorophosphate (DFP)	Phenol, 2-(1-methylpropyl)-4,6-dinitro	Hydrogen sulfide H2S
Dimethoate	Phenol, 2,4,6-trinitro-, ammonium salt (R)	Mercury
alpha, alpha-Dimethylphenethylamine	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester).	Phenol
Dimetilan.	Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate	2,4,5-T
4,6-Dinitro-o-cresol, & salts	Phenol, 3-(1-methylethyl)-, methyl carbonate.	1,2,4,5-Tetrachlorobenzene
2,4-Dinitrophenol	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbonate.	1,1,1,2-Tetrachloroethane
Dinoseb	Phenylmercury acetate	1,1,1,2-Tetrachloroethane
Diphosphoramidate, octamethyl	Phenylthiourea	Tetrachloroethylene
Diphosphoric acid, tetraethyl ester	Phorate	2,3,4,6-Tetrachlorophenol
Disulfoton	Phosgene	
Dithiobiuret	Phosphine	
1,3-Dithiolane-2carboxaldehyde, 2,4-dimethyl-, O- [(methylamino)-carbonyl]oxime.	Phosphoric acid, diethyl 4-nitrophenyl ester	
Endosulfan	Phosphorodithioic acid, 0,0-diethyl	
Endothall	Phosphorodithioic acid, 0,0-diethyl	
Endrin	Phosphorodithioic acid, 0,0-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	
Endrin, & metabolites	Phosphorofluonic acid, bis(1-methylethyl) ester	
Epinephrine	Phosphorothioic acid, 0,0-diethyl O-(4-nitrophenyl) ester	
Ethanedinitrile	Phosphorothioic acid, 0,0-diethyl O-pyrazinyl ester	
Ethanimidothioic acid, 2-(dimethylamino)-N-[[methylamino) carbonyl]oxy]-2-oxo-, methyl ester.	Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] 0,0.dimethyl ester	

Hazardous Chemical List

Acetaldehyde (I)	Dibenz[a,h]anthracene	3-Methylcholanthrene
Acetaldehyde, trichloro	Dibenzo[a,i]pyrene	4,4'-Methylenebis(2-chloroaniline)
Acetamide, N-(4-ethoxyphenyl)	1,2-Dibromo-3-chloropropane	Methylene bromide
Acetamide, N-9H-fluoren-2-yl	Dibutyl phthalate	Methylene chloride
Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	o-Dichlorobenzene	Methyl ethyl ketone (MEK) (I,T)



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Acetic acid ethyl ester (I)	m-Dichlorobenzene	Methyl ethyl ketone peroxide (R,T)
Acetic acid, lead(2+) salt	p-Dichlorobenzene	Methyl iodide
Acetic acid, thallium(1+) salt	3,3'-Dichlorobenzidine	Methyl isobutyl ketone (I)
Acetic acid, (2,4,5-trichlorophenoxyr	1,4-Dichloro-2-butene (I,T)	Methyl methacrylate (I,T)
Acetone (I)	Dichlorodifluoromethane	4-Methyl-2-pentanone (I)
Acetonitrile (I,T)	1,1-Dichloroethylene	Methylthiouracil
Acetophenone	1,2-Dichloroethylene	Mitomycin C
2-Acetylaminofluorene	Dichloroethyl ether	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-ttdeoxy)-alpha-L-lyxo-hexopyranosyl)oxy]
Acetyl chloride (C,R,T)	Dichloroisopropyl ether	1-Naphthalenamine
	Dichloromethoxy ethane	2-Naphthalenamine
Acrylic acid (I)	2,4-Dichlorophenol	Naphthalenamine, N,N'-bis(2-chloroethyl)
Acrylonitrile	2,6-Dichlorophenol	Naphthalene
Amitrole	1,3-Dichloropropene	Naphthalene, 2-chloro
Aniline (I,T)	1,2:3,4-Diepoxybutane (I,T)	1,4-Naphthalenedione
Arsinic acid, dimethyl	1,4-Diethyleneoxide	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'
Auramine	Diethylhexyl phthalate	1-Naphthalenol, methylcarbamate.
Azaserine	Diethylene glycol, dicarbamate.	1,4-Naphthoquinone
Azidno[2',3'=3,4]pyrrolo[1,2-a]indole-4,7-dione6-amino-8-[[[(aminocarbonyl)oxy]methyl]-i,ta,2,8,8a,8b	N,N'-Diethylhydrazine	alpha-Naphthylamine
Barban.	O,O-Diethyl S-methyl dithiophosphate	beta-Naphthylamine
Bendiocarb.	Diethyl phthalate	Nitric acid, thallium(1+) salt
Bendiocarb phenol	Diethylstilbesterol	Nitrobenzene (I,T)
BenomyI.	Dihydrosafrole	p-Nitrophenol
Benzf]aceanlhrylene, 1,2-dihydro-3-methyl	3,3'-Dimethoxybenzidine	2-Nitropropane (I,T)
Benz[c]acridine	Dimethylamine (I)	N-Nitrosodi-n-butylamine
Benzal chloride	p-Dimethylaminoazobenzene	N-Nitrosodiethanolamine
Benzamide, 3,5-dichloro-N-(i,t-dimethyl-2-propynyl)	7,12-Dimethylbenz[a]anthracen	N-Nitrosodiethylamine
Benz[a]anthrocene	3,3'-Dimethylbenzidine	N-Nitroso-N-ethylurea
Benz[a]anthracene, 7,12-dimethyl	alpha,alpha-Dimethylbenzylhydroperoxide (R)	N-Nilroso-N-methylurea
Benzenamine(I,T)	Dimethylcarbamoyl chloride	N-Nitroso-N-methylurethane
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl	1,1-Dimethylhydrazine	N-Nitrosopiperidine
Benzenamine, 4-chloro-2-methyl-, hydrochloride	1,2-Dimethylhydrazine	N-Nilrosopymolidine
Benzenamine, N,N-dimethyl-4-(phenylazo)	2,4-Dimethylphenol	5-Nitro-o-toluidine
Benzenamine, 2-methyl	Dimethyl phthalate	1,2-Oxathiolane, 2,2-dioxide



Benzenamine, 4-methyl	Dimethyl sulfate	2H-1,3,2-Oxazaphosphorin-2-amine,N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
Benzenamine, 4,4'-methylenebis[2-chloro	2,4-Dinitrotoluene	Oxirane (I,T)
Benzenamine, 2-methyl-, hydrochloride	2,6-Dinitrotoluene	Oxiranecarboxyaldehyde
Benzenamine, 2-methyl-5-nitro	Di-n-octyl phthalate	Oxirane, (chloromethyl)
Benzene (I,T)	1,4-Dioxane	Paraldehyde
Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	1,2-Diphenylhydrazine	Pentachlorobenzene
Benzene, 1-bromo-4-phenoxy	Dipropylamine (I)	Pentachloroethane
Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]	Di-n-propylnitrosamine	Pentachloronitrobenzene (PCNB)
Benzene, chloro	Epichlorohydrin	Pentachlorophenol
Benzenediamine, ar-methyl	Ethanal (I)	Pentanol, 4-methyl
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	Ethanamine, N,N-diethyl	1,3-Pentads ne (I)
1,2-Benzenedicarboxylic acid, dibutyl ester	Ethanamine, N-ethyl-N-nitroso-	Phenace6
1,2Benzenedicarboxylic acid, diethyl ester	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)	Phenol, 2-chloro
1,2-Benzenedicarboxylic acid, dimethyl ester	Ethane, 1,2-dibromo-	Phenol, 4-chloro-3-methyl
1,2-Benzenedicarboxylic acid, dioctyl ester	Ethane, 1,1-dichloro	Phenol, 2,4-dichloro
Benzene, 1,2-dichloro	Ethane, 1,2-dichloro	Phenol, 2,6-dichloro
Benzene, 1,3-dichloro	Ethane, hexachloro	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)
Benzene, 1,4-dichloro	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro	Phenol, 2,4-dimethyl
Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro	Ethane, 1,1'-oxybis-(I)	Phenol, methyl
Benzene, (dichloromethyl)	Ethane, 1,1'-oxybis[2-chloro	Phenol, 2,2'-methylenebis[3,4,6-trichloro
Benzene, 1,3-diisocyanatomethyl- (R,T)	Ethane, pentachloro	Phenol, 2-(1-methylethoxy)-, methylcarbamate.
Benzene, dimethyl- (I,T)	Ethane, 1,1,1,2-tetrachloro	Phenol, 4-nitro-
1,3-Benzenediol	Ethane, 1,1,2,2-tetrachloro	Phenol, pentachloro
Benzene, hexachloro	Ethanethioamide	Phenol, 2,3,4,6-tetrachloro
Benzene, hexahydro-(I)	Ethane, 1,1,1-trichloro	Phenol, 2,4,5-trichloro
Benzene, methyl	Ethane, 1,1,2-trichloro-	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]
Benzene, 1-methyl-2,4-dinilro	Ethanimidolhoic acid, N,N' [thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester	Phosphoric acid, lead(2+) salt (2:3)
Benzene, 2-methyl-1,3-dinitro	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester.	Phosphorodithioic acid, 0,0-diethyl S-methyl ester



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Benzene, (1-methylethyl)- (I)	Ethanol, 2-ethoxy	Phosphorus sulfide (R)
Benzene, nitro	Ethanol, 2,2'-(nitrosoimino)bis	Phthalic anhydride
Benzene, pentachloro	Ethanol, 2,2'-oxybis-, dicarbamate.	2-Picoline
Benzene, pentachloronitro	Ethanone, 1-phenyl	Piperidine, 1-nitroso
Benzenesulfonic acid chloride (C,R)	Ethene, chloro	Pronamide
Benzenesulfonyl chloride (C,R)	Ethane, (2-chloroethoxyr	1-Propanamine (I,T)
Benzene, 1,2,4,5-tetrachloro	Ethene, 1,1-dichloro	1-Propanamine, N-nitroso-N-propyl
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro	Ethene, 1,2-dichloro-, (E)	1-Propanamine, N-propyl- (I)
Benzene, 1,1'-(2,2,2-tetrachloroethylidene)bis[4-methoxy	Ethene, tetrachloro	Propane, 1,2-dibromo-3-chloro
Benzene, (trichloromethylr	Ethane, trichloro	Propane, 1,2-dichloro
Benzene, 1,3,5-trinitro	Ethyl acetate (I)	Propanedinitrile
Benzidine	Ethyl acrylate (I)	Propane, 2-nitro- (I,T)
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts	Ethyl carbamate (urethane)	Propane, 2,2'-oxybis[2-chloro
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate.	Ethyl ether (I)	1,3-Propane sultone
1,3-Benzodioxol-4-ol, 2,2-dimethyl-,	Ethylenebisdithiorarbamic acid, salts 8 esters	Propanoic acid, 2-(2,4,5-trichlorophenoxy)
1,3-Benzodioxole, 5-(2-propenyl)	Ethylene dibromide	1-Propanol, 2,3-dibromo-, phosphate (3:1)
1,3-Benzodioxole, 5-(1-propenyl)	Ethylene dichloride	1-Propanol, 2-methyl- (I,T)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl	Ethylene glycol monoethyl ether	2-Propanone (I)
1,3-Benzodioxole, 5-propyl	Ethylene oxide (I,T)	2-Propenamide
Benzo[rs]pentaphene	Ethylenethiourea	1-Propene, 1,3-dichloro
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutylr, & salts, when present at concentrations	Ethylidene dichloride	1-Propene, 1,1,2,3,3,3-hexachloro
Benzo[a]pyrene	Ethyl methacrylate	2-Propenenitrile
p-Benzoquinone	Ethyl methanesulfonate	2-Propenenithle, 2-methyl- (I,T)
Benzotrichloride (C,R,T)	Fluoranthene	2-Propenoic acid (I)
2,2'-Bioxirane	Formaldehyde	2-Propenoic acid, ethyl ester (I)
[1,1'-Biphenyl]-4,4'-diamine	Formic acid (C,T)	2-Propenoic acid, 2-methyl-, ethyl ester
[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro	Furan (I)	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy	2-Furancarboxaldehyde (I)	Propham.
[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	2,5-Furandione	Propoxur.
Bromoform	Furan, tetrahydro-(I)	Prosulfocarb.
4-BFomophenyl phenyl ether	Furfural (I)	n-Propylamine (I,T)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro	Furfuran (I)	Propylene dichloride



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1-Butanamine, N-butyl-N-nitroso	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoareido)-, D	3,6-Pyridazinedione, 1,2-dihydro-
1-Butanol (I)	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)	Pyridine
2-Butanone (I,T)	Glycidylaldehyde	Pyridine, 2-methyl
2-Butanone, peroxide (R,T)	Guanidine, N-methyl-N'-nitro-N-nitroso	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2chloroethyl)amino]-
2-Butenal	Hexachlorobenzene	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
2-Butene, 1,4-dichloro- (I,T)	Hexachlorobutadiene	Pyrrolidine, 1-nitroso-
2-Butenoic acid, 2-methyl-, 7-[[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]	Hexachlorocyclopentadiene	Reserpine
2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester,	Hexachloroethane	Resorcinol
n-Butyl alcohol (I)	Hexachlorophene	Saccharin, & salts
Cacodylic acid	Hexachloropropene	Safrole
Calcium chromate	Hydrazine (R,T)	Selenious acid
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester.	Hydrazine, 1,2-diethyl-	Selenium dioxide
Carbamic acid, [1[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester.	Hydrazine, 1,1-dimethyl	Selenium sulfide
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester.	Hydrazine, 1,2-dimethyl	Selenium sulfide SeS_2 (R,T)
Carbamic acid, ethyl ester	Hydrazine, 1,2-diphenyl	L-Serine, diazoacetate (ester)
Carbamic acid, methylnitroso-, ethyl ester	Hydrofluoric acid (C,T)	Silvex (2,4,5-TP)
Carbamic acid, phenyl-, 1-methylethyl ester	Hydrogen fluoride (C,T)	Streptozocin
Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester	Hydroperoxide, 1-methyl-1-phenylethyl-(R)	Sulfuric acid, dimethyl ester
Carbamic chloride, dimethyl	2-Imidazolidinethione	Tetrahydrofuran (I)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester	Indeno[1,2,3-cd]pyrene	Thallium(I) acetate
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	1,3-Isobenzofurandione	Thallium(I) carbonate
Carbamodithioic acid, 1,2-ethanediylbis-,	Isobutyl alcohol (I,T)	Thallium(I) chloride
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	Isosafrole	Thallium chloride TlCl
Carbaryl	Kepone	Thallium(I) nitrate
Carbendazim	Lasiocarpine	Thioacetamide



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Carbofuran phenol	Lead acetate	Thiodicarb.
Carbonic acid, dithallium(1+) salt	Lead, bis(acetato-0)tetrahydroxytri	Thiomethanol (I,T)
Carbonic difluoride	Lead phosphate	Thioperoxydicarbonic diamide [(H: N)C(S)]z S2, tetramethyl
Carbonochloridic acid, methyl ester (I,T)	Lead subacetate	Thiophanate-methyl.
Carbon oxyfluodde (R,T)	Lindane	Thiourea
Carbon tetrachloride	MNNG	Thiram
Chloral	Maleic anhydride	Toluene
Chlorambucil	Maleic hydrazide	Toluenediamine
Chlordane, alpha & gamma isomers	Malononitride/	Toluene diisocyanate (R,T)
Chlornaphazin	Melphalan /	o-Toluidine
Chlorobenzene		p-Toluidine
Chlorobenzilate	Methacrylonitrile (I, T)	o-Toluidine hydrochloride
p-Chloro-m-cresol	Methanamine, N-methyl- (1)	Triallate.
2-Chloroethyl vinyl ether	Methane, bromo	1 H-1,2,4-Triazol-3-amine
Chloroform	Methane, chloro- (I, T)	2,4,6-Tribromophenol.
Chloromethyl methyl ether	Methane, chloromethoxy-	1,1,2-Trichloroethane
beta-Chloronaphthalene	Methane, dibromo	Trichloroethylene
o-Chlorophenol	Methane, dichloro	Trichloromonofluoromethane
4-Chloro-o-toluidine, hydrochloride	Methane, dichlorodifluoro	2,4,SThchlorophenol
Chromic acid H2 Cr04, calcium salt	Methane, iodo	2,4,6-Thchlorophenol
Chrysene	Methanesulfonic acid, ethyl ester	Triethylamine.
Creosote	Methane, telrachloro	1,3,5-Thnitrobenzene (R,T)
Cresol (Cresylic acid)	Methanethiol (I, T)	1,3,5-Trioxane, 2,4,6-trimethyl
Crotonaldehyde	Methane, tribromo	Tris(2,3-dibromopropyl) phosphate
Cumene (I)	Methane, trichloro	Trypan blue
Cyanogen bromide (CN)Br	Methane, trichlorofluoro-	Uracil mustard
2,5-Cyclohexadiene-1,4dione	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7-ahexahydro	Urea, N-ethyl-N-nitroso
Cyclohexane (I)	Methanol (I)	Urea, N-methyl-N-nitroso
Cyclohexane, 1,2,3,4,5,6-hexachloro-,	Methapyrilene	Vinyl chloride
Cyclohexanone (I)	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,ta,3,3a,4,5,5a,5b,6-decachlorooctahydro	Warfarin, & salts, when present at concentrations of 0.3% or less
1,3-Cyclopentadiene,1,2,3,3,5,5-hexachloro-	Methoxychlor	Xylene (1)
Cyclophosphamide	Methyl alcohol (1)	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-t6methoxybenzoyl)oxy]-, methyl ester,
2,4-D, salts & esters	Methyl bromide	Zinc phosphide Zn, P=, when present at concentrations of 10 % or less



Daunomycin	1-Methylbutadiene (I)	
DDD	Methyl chloride (I,T)	
DDT	Methyl chlorocarbonate (I,T)	
Diallate	Methyl chloroform	

Toxic and Reactive Chemical List

Acetaldehyde	Formaldehyde (Formalin)	Ketene
Acrolein (2-propenal)	Furan	Methacrylaldehyde
Acrylyl Chloride	Hexaflouroacetone	Methacryloyl Chloride
Allyl Chloride	Hydrochloric Acid (anhydrous)	Methacryloylxyethyl Isocyanate
Allylamine	Hydroflouric Acid (anhydrous)	Methyl Acrylonitrile
Alkylaluminums	Hydrogen Bromide	Methylamine (anhydrous)
Ammonia, Anhydrous	Hydrogen Chloride	Methyl Bromide
Ammonia, solutions > 44% by weight	Hydrogen Cyanide(anhydrous)	Methyl Chloride
Ammonium Perchlorate	Hydrogen Flouride	Methyl Chloroformate
Ammonium Permanganate	Dichloro Acetylene	Perchloryl Flouride
Arsine (Arsenic Hydride)	Dichlorosilane	Peroxyacetic Acid (>60% Acetic Acid)
Bis (Chloromethyl) Ether	Diethylzinc	Phosgene (Carbonyl Chloride)
Boron Trichloride	Diisopropyl Peroxydicarbonate	Phosphine (Hydrogen Phosphide)
Bromine	Dilauroyl Peroxide	Phosphorus Oxychloride (Phosphoryl Chloride)
Chlorodiethylaluminum (Diethylaluminum Chloride)	Dimethyldichlorosilane	Phosphorus Trichloride
1-Chloro-2,4-Dinitrobenzene	Dimethylhydrazine, 1,1	Phosphoryl Chloride
Chloromethyl Methyl Ether	Dimethylamine (anhydrous)	Propargyl Bromide
Chloropicrin	2,4-Dinitroaniline	Propyl Nitrate
Chloropicrin and Methyl Bromide Mixture	Ethyl Methyl Ketone Peroxide	Sarin
Chloropicrin and Methyl Chloride Mixture	Methyl Ethyl Ketone	Selenium Hexaflouride
Commune Hydroperoxide	Peroxide (>60%)	Nitorgen Oxides (NO;NO(2);N2o4;N2o3)
Cyanogen	Methyl Flouroacetate	Nitrogen Tetroxide (Nitrogen Peroxide)
Cyanogen Chloride	Methyl Flourosulfate	Nitric Oxide
Cyanuric Flouride	Methyl Hydrazine	Nitroaniline (para Nitroaniline)
Diacetyl Peroxide (>70%)	Methyl iodide	Nitromethane
Diazomethane	Methyl Isocyanate	Nitogen Dioxide
Dibenzoyl Peroxide	Methyl Mercaptan	Hydrogen Peroxide
Diborane	Methyl Vinyl Ketone	Hydrogen Selenide
Dibutyl Peroxide	Methyltrichlorosilane	Nitrogen Trioxide
Bromine Chloride	Nickel Carbonyl (Nickel Tetracarbonyl)	Oleum (65-80% by weight) (Fuming Sulfuric Acid)
Bromine Pentaflouride	Nitric Acid (> 94.5% by weight)	Osmium Tetroxide



Bromine Trifluoride	Cellulose Nitrate (>12.6% nitrogen)	Oxygen Difluoride (Fluorine Monoxide)
3-Bromopropyne (Propargyl Bromide)	Chlorine	Ozone
Butyl Hydroperoxide (tert.) Butyl Perbenzoate (tert.)	Chlorine Pentafluoride	Pentaborane
Carbonyl Chloride	Chlorine Trifluoride	Peracetic Acid (>60% Acetic Acid) (Peroxyacetic Acid)
Carbonyl Fluoride	Ethyl Nitrite	Perchloric Acid (>60% by weight)
Ethylamine	Hydrogen Sulfide	Perchloromethyl Mercaptan
Ethylene Fluorohydrin	Hydroxylamine	Stibine (Antimony Hydride)
Ethylene Oxide	Iron, Pentacarbonyl	Tetrafluoroethylene
Ethyleneimine	Isopropylamine	Tetrafluorohydrazine
Fluorine	Sulfur Trioxide (Sulfuric Anhydride)	Tetramethyl Lead
Sulfur Dioxide (liquid)	Tellurium Hexafluoride	Thionyl Chloride
Sulfur Pentafluoride	Trichloro (chloromethyl) Silane	Trichlorosilane
Sulfur Tetrafluoride	Trichloro (dichlorophenyl) Silane	Trifluorochloroethylene
Trimethoxysilane		

Highly Flammable Chemical List

Acetaldehyde	Ethylene	Methyl Formate
Acetylene	Ethylene Oxide	Methyl Mercaptan
Butane	Ethyl Ether	Pentane
1-Butene	Propane	1-Pentane
Calcium Carbide	Propylene	Petroleum Ether
Carbon Monoxide	Furan	Phosphine
Chlorine Monoxide	Gas, Natural	Picric Acid
Cyanogen	Hydrocyanic Acid (96%)	Trinitrotoluene (TNT)
Cyclobutane	Hydrogen	Vinyl Chloride
Cyclopropane	Hydrogen Sulfide	Propylene Oxide
Diuterium	Isobutane	Propyl Nitrate
Dibenzoyl Peroxide	Isopentane	Silane
Dibromane	Isoprene	Tetrafluoroethylene
1,1-Dichloroethene	Isopropyl Chloride	Trichlorosilane
Dichlorosilane	Lithium Hydride	Trimethylamine
Dimethylamine	Methane	Vinyl Ethyl Ether
Dimethyl Sulfide	Methylamine	Vinyl Fluoride
Ethane	Methyl Chloride	Vinylidene Chloride
Ethylamine	Methyl Ether	Vinylidene Fluoride
Ethyl Chloride	Methyl Ethyl Ether	Vinyl Methyl Ether



Peroxidizable Chemical List

Acetal	Dicyclopentadiene	Tetrahydrofuran
Cumene	Diethyl Ether	Tetrahydronaphthalene (tetralin)
Cyclohexane	Divinyl Acetylene	Vinyl Acetate
Cyclooctene	Ethyl Ether	Vinyl Ethers
Decahydronaphthalene	Ethylene Glycol Dimethyl	Vinylidene Chloride
Decalin	Ether (glyme)	
Diacetylene	Methyl Acetylene	

Shock Sensitive Chemical List

Acetylides	Hydrazinium Nitrate	Picramic Acid
Aluminum Ophorite Explosive	Hydrazoic Acid	Picramide
Amatol	Lead Azide	Picric Acid
Ammonal	Lead Mannite	Picryl Chloride
Ammonium Nitrate	Lead Mononitroresorcinate	Picryl Flouride
Ammonium Perchlorate	Lead Picrate	Polynitro Aliphatic Compounds
Ammonium pPicrate	Lead Salts	Potassium Nitroaminotetrazole
Ammonium salt lattice	Lead Styphnate	Silver Acetylde
Butyl Tetryl	Magnesium Ophorite	Silver Azide
Calcium Nitrate	Mannitol Hexanitate	Silver Styphnate
Copper Acetylde	Mercury Oxalate	Silver Tetrazene
Dinitrophenyl Hydrazine	Mercury Tartrate	Sodatol
Dinitrotoluene	Nitrated Carbohydrate	Sodium Amatol
Dipicryl Sulfone	Nitrated Glucoside	Sodium Dinitro-ortho-cresolate
Dipicrylamine	Nitrated Polyhydric Alcohol	Sodium/Potassium Nitrate
Erythritol Tetranitrate	Nitrogen Trichloride	Sodium Picramate
Fulminate of Silver	Nitrogen Tri-Iodide	Syphnic Acid
Fulminate of Gold	Nitroglycerin	Tetrazene
Fulminating Mercury	Nitroglyceride	Tetranitrocarbazole
Fulminating Platinum	Nitroglycol	Tetrytol
Gelatinized Nitrocellulose	Nitroguanidine	Trinnitroanisole
Cyanuric Triazide	Nitroparaffins	Trinitrobenzene
Cylcotrimethylenetrinitramine	Nitronium Perchlorate	Trimonite
Dinitroethyleneurea	Nitrotoluene	Trinitronaphthalene
Dinitroglycerine	Nitrourea	Trinitrophenetol
Dinitrophenol	Guanyl Nitrosamino Guanyltetrazene	Tritonal
Dinitrophenolates	Guanyl Nitrosamino Guanylidene	Urea Nitrate
Hexanite	Guanylidene	TrinitroToluene (TNT)
Hexanitrodiphenylamine	Heavy Metal Azides	
Hexanitrostilbene	Organic Amine Nitrates	
Hexogen	Organic Nitramines	
Hydrazine Mixtures	Organic Peroxides (t-Butyl Peroxide)	

Reproductive, Teratogenic and Mutagenic Chemical List

Acetohydroxamic acid	Ditnitrogen pentoxide	Nickel carbonyl
Actinomycin D	Dinocap	Nicotine
All-trans retinoic acid	Dinoseb	Nitrogen mustard (Mechlorethamine)
Alprazolam	Diphenylhydantoin (Phenytoin)	Nitrogen mustard hydrochloride (Mechlorethamine - hydrochloride)
Amikacin sulfate	Doxycycline (internal use)	Norethisterone (Norethindrone)
Aminoglutethimide	Doxycycline calcium (internal use)	Norethisterone acetate (Norethindrone acetate)
Aminoglycosides	Doxycycline hyclate (internal use)	Norethisterone (Norethindrone)/Ethinyl estradiol
Aminopterin	Doxycycline monohydrate (internal use)	Norethisterone (Norethindrone)/Mestranol
Androgenic Hormones	Ergotamine tartrate	Norgestrel
Angiotensin converting enzyme (ACE) inhibitors	Ethidium Bromide	Oxazepam
Anisindione	Ethyl alcohol in alcoholic beverages	Oxytetracycline (internal use)
Aspirin	Ethylene glycol monoethyl ether	Oxytetracycline hydrochloride (internal use)
Azathioprine	Ethylene glycol monomethyl ether	Paramethadione
Barbiturates	Ethylene glycol monoethyl ether acetate	Penicillamine
Benomyl	Ethylene glycol monomethyl ether acetate	Pentobarbital sodium
Benzene	Ethylene thiourea	Pentostatin
Benzphetamine hydrochloride	Etoposide	Phenacemide
Benzodiazepines	Etretinate	Phenprocoumon
Bischloroethyl nitrosourea (BCNU) (Carmustine)	Fluorouracil	Pipobroman
Bromoxynil	Fluoxymesterone	Plicamycin
Busulfan	Flurazepam hydrochloride	Polybrominated biphenyls
Butabarbital sodium	Flutamide	Polychlorinated biphenyls
1,4-Butanediol dimethylsulfonate (Busulfan)	Halazepam	Procarbazine hydrochloride
Calcium Arsenate	Halothane	Propylthiouracil
Carbon disulfide	Hexachlorobenzene	Retinol/retinyl esters
Carbon monoxide	Ifosfamide	13-cis-retinoic acid
Carboplatin	Isotretinoin	Ribavirin
Chenodiol	Lead	Secobarbital sodium
Chlorcyclizine hydrochloride	Lithium	Streptomycin sulfate
Chlorambucil	Lithium carbonate	Tamoxifen citr
Chlorobiphenyls	Lithium citrate	Temazepam
Chlordecone (Kepone)	Lorazepam	Teniposide
Chlordiazepoxide	Lovastatin	Testosterone cypionate



Chlordiazepoxide hydrochloride	Medroxyprogesterone acetate	Testosterone enanthate
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) Lomustine)	Megestrol acetate	2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)
Cladribine	Melphalan	Tetracyclines (internal use)
Clomiphene citrate	Menotropins	Tetracycline (internal use)
Clorzepate dipotassium	Meprobamate	Tetracycline hydrochloride (internal use)
Cocaine	Mercaptopurine	Thalidomide
Colchicine	Mercury and mercury compounds	Thioguanine
Conjugated estrogens	Methacycline hydrochloride	Tobacco smoke (primary)
Coumarin Anticoagulants	Methimazole	Tobramycin sulfate
Cyanazine	Methotrexate	Toluene
Cycloheximide	Methotrexate sodium	Triazolam
Cyclophosphamide (anhydrous)	Methylaminopterin	Trilostane
Cyclophosphamide (hydrated)	Methyl bromide as a structural fumigant	Trimethadione
Cyhexatin	Methyl mercury	Uracil mustard
Cytarabine	Methyltestosterone	Urethane
Danazol	Midazolam hydrochloride	Urofollitropin
Daunorubicin hydrochloride	Minocycline hydrochloride (internal use)	Valproate (Valproic acid)
Demeclocycline hydrochloride (internal use)	Misoprostol	Vinblastine sulfate
Diazepam	Mitoxantrone hydrochloride	Vincristine sulfate
Dicumarol	Nafarelin acetate	Warfarin
Diethylstilbestrol (DES)	Neomycin sulfate (internal use)	
Dimethylmercury	Netilmicin sulfate	

Infectious Agents Reproductive Hazard List

Cytomegavirus	Rubella Virus	Venezuelan Equine
Herpes Virus Hominis	Syphilis	Encephalitis Virus
Parvovirus B-19	Toxoplasmosis	

Female Reproductive Hazardous Chemical List

Aminopterin	Cocaine	Lead
Anabolic steroids	Cyclophosphamide (anhydrous)	Tobacco smoke (primary)
Aspirin	Cyclophosphamide (hydrated)	Uracil mustard
Carbon disulfide	Ethylene oxide	

Male Reproductive Hazardous Chemical List

Anabolic steroids	m-Dinitrobenzene	Ethylene glycol monoethyl ether acetate
Benomyl	o-Dinitrobenzene	Ethylene glycol monomethyl ether acetate
Carbon disulfide	p-Dinitrobenzene	Hexamethylphosphoramide
Colchicine	Dinoseb	Lead
Cyclophosphamide (anhydrous)	Epichlorohydrin	Nitrofurantoin
Cyclophosphamide (hydrated)	Ethylene glycol monoethyl ether	Tobacco smoke (primary)
1,2-Dibromo-3-chloropropane (DBCP)	Ethylene glycol monomethyl ether	Uracil mustard

Potential Teratogenic Chemicals Under Investigation

Acetone	Codeine	Ethylenediamine
Acetonitrile	Dibromoacetonitrile	Ethylene Oxide
Acrylamide	Diethyl Phthalate	Formamide
Arsine	Diethylene Glycol	Gallium Arsenide
Bendectin	Diethylene Glycol Diethyl Ether	Gentian Violet (Hexamethyl-p-rosaniline Chloride)
Bisphenol A	Diethylene Glycol Dimethyl Ether	Glyoxal Trimeric Dihydrate
Bromoacetonitrile	Dimethyl Phthalate	Hexachloroacetone
Bromochloroacetic Acid	Diphenhydramine Hydrochloride	Hexachloro-1,3-butadiene
Butyl Benzyl Phthalate	Dipropylene Glycol	Melatonin
d-Camphor	Ethylene Chlorohydrin	Sodium Bromate
Carbon Disulfide	Ethylene Glycol	Tribromoacetic Acid
Chlordibromomethane	Ethylene Glycol Diethyl Ether	
Chlorpromazine Hydrochloride	Ethylene Glycol Monobutyl Ether	