



Particularly Hazardous Chemical List

OSHA requires that written standard operating procedures be available for all research using particularly hazardous chemicals which include carcinogens, mutagens, reproductive hazards and acutely toxic chemicals. SOP should include procedures for; establishing a designated area, safe storage, use and handling, waste collection and disposal, and decontamination.

Note: This list of carcinogens, reproductive toxins, biotoxins and acutely toxic substances is not exhaustive

Chemical	Source
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU; Semustine) [13909-09-6]	IARC-1/NTP
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	IARC-2A/NTP
1-(o-Chlorophenyl)thiourea	AcutelyHazardousWaste
1,1-Dimethylhydrazine [57-14-7]	IARC-2B/NTP
1,2,3-Propanetriol, trinitrate	AcutelyHazardousWaste
1,2,3-Trichloropropane	IARC-2A/NTP
1,2-Benzenediol, 4-[l-hydroxy-2-(methylamino)- ethyl]-	AcutelyHazardousWaste
1,2-Dibromo-3-chloropropane (DBCP)	IARC-2B/NTP/OSHA
1,2-Dibromoethane (Ethylene Dibromide)	NTP
1,2-Dichloroethane (Ethylene Dichloride)	IARC-2B/NTP
1,2-Diethylhydrazine [1615-80-1]	IARC-2B
1,2-Dimethylhydrazine [540-73-8]	IARC-2A
1,2-Epoxybutane [106-88-7]	IARC-2B
1,2-Propylenimine	AcutelyHazardousWaste
1,3-Butadiene	IARC-2A/NTP/OSHA
1,3-Dichloropropene (Technical Grade)	IARC-2B/NTP
1,3-Propane Sultone	IARC-2B/NTP
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10- hexachloro- 1,4,4a,5,8,8a hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-	AcutelyHazardousWaste
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10- hexachloro- 1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-	AcutelyHazardousWaste
1,4-Butanediol Dimethylsulfonate (Busulphan, Myleran®)	IARC-1/NTP
1,4-Dichlorobenzene	NTP
1,4-Dioxane	IARC-2B/NTP
1,6-Dinitropyrene	IARC-2B/NTP
1,8-Dinitropyrene	IARC-2B/NTP
1-[(5-Nitrofurfurylidene)amino]-2-imidazolidinone [555-84-0]	IARC-2B
1-Amino-2,4-dibromoanthraquinone	NTP
1-Amino-2-methylantraquinone	NTP
1-Bromopropane	CalOSHAReproToxin
1-Chloro-2-methylpropene [513-37-1]	IARC-2B
1-Hydroxyanthraquinone [129-43-1]	IARC-2B
1-Nitropyrene	IARC-2B/NTP
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole [3570-75-0]	IARC-2B
2,2-bis(Bromomethyl)-1,3-propanediol (Technical Grade)	NTP
2,2-Bis(bromomethyl)propane-1,3-diol [3296-90-0]	IARC-2B
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD); "Dioxin"	IARC-1/NTP
2,3-Dibromo-1-propanol	IARC-2B/NTP
2,4,6-Trichlorophenol	NTP
2,4-D butyric acid	CalOSHAReproToxin
2,4-Diaminoanisole [615-05-4]	IARC-2B

Chemical	Source
2,4-Diaminoanisole sulfate	NTP
2,4-Diaminotoluene	IARC-2B/NTP
2,4-Dinitrophenol	AcutelyHazardousWaste
2,4-Dinitrotoluene [121-14-2]	IARC-2B
2,6-Dimethylaniline (2,6-Xylidine) [87-62-7]	IARC-2B
2,6-Dinitrotoluene [606-20-2]	IARC-2B
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2alpha,3alpha,6alpha,6beta,7beta,7alpha)-, & metabolites	AcutelyHazardousWaste
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2alpha,3beta,6beta,6alpha,7beta,7alpha)-	AcutelyHazardousWaste
2-Acetylaminofluorene	NTP/OSHA
2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)	NTP
2-Amino-3,4-dimethylimidazo[4,5-f]quinoline (MEIQ)	NTP
2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MEIQx)	NTP
2-Amino-3-methylimidazo[4,5-f]quinoline (IQ)	NTP
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole [712-68-5]	IARC-2B
2-Aminoanthraquinone	NTP
2-Bromopropane	CalOSHAReproToxin
2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[(methylamino)carbonyl] oxime	AcutelyHazardousWaste
2-Cyclohexyl-4,6-dinitrophenol	AcutelyHazardousWaste
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%	AcutelyHazardousWaste
2-Methyl-1-nitroanthraquinone [129-15-7] (uncertain purity)	IARC-2B
2-Methylaziridine (Propyleneimine) [75-55-8]	IARC-2B/NTP
2-Methylacetonitrile	AcutelyHazardousWaste
2-Naphthylamine	IARC-1/NTP
2-Nitroanisole [91-23-6]	IARC-2B
2-Nitrofluorene [607-57-8]	IARC-2B
2-Nitropropane	IARC-2B/NTP
2-Propanone, 1-bromo-	AcutelyHazardousWaste
2-Propenal	AcutelyHazardousWaste
2-Propen-1-ol	AcutelyHazardousWaste
2-Propyn-1-ol	AcutelyHazardousWaste
3(2H)-Isoxazolone, 5-(aminomethyl)-	AcutelyHazardousWaste
3-(N-Nitrosomethylamino)propionitrile [60153-49-3]	IARC-2B
3,3'-Dichlorobenzidine and 3,3'-Dichlorobenzidine Dihydrochloride (its salts)	NTP/OSHA
3,3'-Dimethoxybenzidine	NTP
3,3'-Dimethoxybenzidine and Dyes Metabolized to 3,3'-Dimethoxybenzidine	NTP
3,3'-Dimethylbenzidine	NTP
3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine	NTP
3,3'-Dichloro-4,4'-diaminodiphenyl ether [28434-86-8]	IARC-2B
3,3'-Dichlorobenzidine [91-94-1]	IARC-2B
3,3'-Dimethoxybenzidine (ortho-Dianisidine) [119-90-4]	IARC-2B
3,3'-Dimethylbenzidine (ortho-Tolidine) [119-93-7]	IARC-2B
3,7-Dinitrofluoranthene [105735-71-5]	IARC-2B
3,9-Dinitrofluoranthene [22506-53-2]	IARC-2B
3-Chloro-2-methylpropene	NTP
3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone [77439-76-0]	IARC-2B
3-Chloropropionitrile	AcutelyHazardousWaste

Chemical	Source
4-(N-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone	NTP
4,4'-Methylenebis(2-chloroaniline) (MOCA)	IARC-2A/NTP
4,4'-Methylenebis(N,N-dimethyl)benzenamine	NTP
4,4'-Methylenedianiline and its Dihydrochloride Salt	NTP
4,4'-Oxydianiline	NTP
4,4'-Thiodianiline	NTP
4,4'-Diaminodiphenyl ether [101-80-4]	IARC-2B
4,4'-Methylene bis(2-methylaniline) [838-88-0]	IARC-2B
4,4'-Methylenedianiline [101-77-9]	IARC-2B
4,4'-Thiodianiline [139-65-1]	IARC-2B
4,6-Dinitro-o-cresol, & salts	AcutelyHazardousWaste
4,7-Methano-1H-indene, 1,4,5,6,7,8,8 -heptachloro- 3a,4,7,7a-tetrahydro-	AcutelyHazardousWaste
4-Aminobiphenyl	IARC-1/NTP/OSHA
4-Aminopyridine	AcutelyHazardousWaste
4-Chloro-o-phenylenediamine	IARC-2B/NTP
4-Chloro-ortho-toluidine [95-69-2]	IARC-2A
4-Dimethylaminoazobenzene	NTP/OSHA
4-Nitrobiphenyl	OSHA
4-Nitropyrene	IARC-2B/NTP
4-Pyridinamine	AcutelyHazardousWaste
4-Vinyl-1-cyclohexene diepoxide	NTP
4-Vinylcyclohexene [100-40-3]	IARC-2B
4-Vinylcyclohexene diepoxide [106-87-6]	IARC-2B
5-(An-dnomethyl)-3-isoxazolol	AcutelyHazardousWaste
5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)amino]-2-oxazolidinone [3795-88-8]	IARC-2B
5-Methoxypsoralen [484-20-8]	IARC-2A
5-Methylchrysene	IARC-2B/NTP
5-Nitroacenaphthene [602-87-9]	IARC-2B
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide	AcutelyHazardousWaste
6-Nitrochrysene	IARC-2B/NTP
7H-Dibenzo[c,g]carbazole	IARC-2B/NTP
7-Oxabicyclo[2.2. 1]heptane-2,3-dicarboxylic acid	AcutelyHazardousWaste
8-Methoxypsoralen (Methoxsalen) [298-81-7] plus ultraviolet A radiation	IARC-1
A-a-C (2-Amino-9H-pyrido[2,3-b]indole) [26148-68-5]	IARC-2B
Abrin	Biotoxin
Acetaldehyde	IARC-2B/NTP
Acetaldehyde, chloro-	AcutelyHazardousWaste
Acetamide [60-35-5]	IARC-2B
Acetamide, 2-fluoro-	AcutelyHazardousWaste
Acetamide, N-(aminothioxomethyl)-	AcutelyHazardousWaste
Acetazolamide	CalOSHAREproToxin
Acetic acid, fluoro-, sodium salt	AcutelyHazardousWaste
Acetohydroxamic acid	CalOSHAREproToxin
a-Chlorinated toluenes (benzal chloride [98-87-3], benzotrichloride [98-07-7], benzyl chloride [100-44-7]) and benzoyl chloride [98-88-4] (combined exposures)	IARC-2A
Acrolein	AcutelyHazardousWaste
Acrylamide	IARC-2A/NTP
Acrylonitrile [107-13-1]	IARC-2B/NTP/OSHA
Actinomycin D	CalOSHAREproToxin
Adriamycin® (Doxorubicin Hydrochloride)	IARC-2A/NTP
AF-2 [2-(2-Furyl)-3-(5-nitro-2-furyl)acrylamide] [3688-53-7]	IARC-2B

Chemical	Source
Aflatoxin M1 [6795-23-9]	IARC-2B
Aflatoxins (naturally occurring mixtures of) [1402-68-2]	IARC-1/NTP/Biotoxin
Aldicarb	AcutelyHazardousWaste
Aldrin	AcutelyHazardousWaste
All-trans retinoic acid	CalOSHAReproToxin
Allyl alcohol	AcutelyHazardousWaste
alpha,alpha-Dimethylphenethylam-dne	AcutelyHazardousWaste
alpha-Naphthylamine	OSHA
alpha-Naphthylthiourea	AcutelyHazardousWaste
Alprazolam	CalOSHAReproToxin
Altretamine	CalOSHAReproToxin
Aluminum phosphide	AcutelyHazardousWaste
Amantadine hydrochloride	CalOSHAReproToxin
Amikacin sulfate	CalOSHAReproToxin
Aminoglutethimide	CalOSHAReproToxin
Aminoglycosides	CalOSHAReproToxin
Aminopterin	CalOSHAReproToxin
Amiodarone hydrochloride	CalOSHAReproToxin
Amitraz	CalOSHAReproToxin
Amitrole	NTP
Ammonia gas	ToxicGas
Ammonium picrate	AcutelyHazardousWaste
Ammonium vanadate	AcutelyHazardousWaste
Amoxapine	CalOSHAReproToxin
Amsacrine [51264-14-3]	IARC-2B
Anabolic steroids	CalOSHAReproToxin
Analgesic Mixtures Containing Phenacetin	NTP
Androgenic (anabolic) steroids	IARC-2A
Angiotensin converting enzyme (ACE) inhibitors	CalOSHAReproToxin
Anisindione	CalOSHAReproToxin
Antimony trioxide [1309-64-4]	IARC-2B
Aramite® [140-57-8]	IARC-2B
Areca nut	IARC-1
Argentate(I-), bis(cyano-C)-, potassium	AcutelyHazardousWaste
Aristolochic acids (naturally occurring mixtures of)	IARC-2A
Arsenic (inorganic oxides)	CalOSHAReproToxin
Arsenic [7440-38-2] and arsenic compounds	IARC-1
Arsenic acid H3 AsO4	AcutelyHazardousWaste
Arsenic Compounds, Inorganic	NTP
Arsenic oxide As2 O3	AcutelyHazardousWaste
Arsenic oxide As2 O5	AcutelyHazardousWaste
arsenic pentafluoride	ToxicGas
Arsenic pentoxide	AcutelyHazardousWaste
Arsenic trioxide	AcutelyHazardousWaste
arsine	ToxicGas
Arsine, diethyl-	AcutelyHazardousWaste
Arsonous dichlotide, phenyl-	AcutelyHazardousWaste
Atenolol	CalOSHAReproToxin
Auramine [492-80-8] (technical-grade)	IARC-2B
Auranofin	CalOSHAReproToxin
Azacitidine	IARC-2A/NTP
Azaserine [115-02-6]	IARC-2B
Azathioprine	IARC-1/NTP
Aziridine [151-56-4]	IARC-2B/AcutelyHazardousWaste
Aziridine, 2-methyl-	AcutelyHazardousWaste
Barbiturates	CalOSHAReproToxin

Chemical	Source
Barium cyanide	AcutelyHazardousWaste
b-Butyrolactone [3068-88-0]	IARC-2B
Beclomethasone dipropionate	CalOSHAReproToxin
Benomyl	CalOSHAReproToxin
Benz[a]anthracene	IARC-2B/NTP
Benz[j]aceanthrylene [202-33-5]	IARC-2B
Benzenamine, 4-chloro-	AcutelyHazardousWaste
Benzenamine, 4-nitro-	AcutelyHazardousWaste
Benzene	IARC-1/NTP/OSHA
Benzene, (chloromethyl)-	AcutelyHazardousWaste
Benzeneethanamine, alpha,alpha-dimethyl-	AcutelyHazardousWaste
Benzenethiol	AcutelyHazardousWaste
Benzidine	IARC-1/NTP/OSHA
Benzidine and Dyes Metabolized to Benzidine	NTP
Benzidine-based dyes	IARC-2A
Benzo[a]pyrene	IARC-1/NTP
Benzo[b]fluoranthene	IARC-2B/NTP
Benzo[c]phenanthrene [195-19-7]	IARC-2B
Benzo[j]fluoranthene	IARC-2B/NTP
Benzo[k]fluoranthene	IARC-2B/NTP
Benzodiazepines	CalOSHAReproToxin
Benzofuran [271-89-6]	IARC-2B
Benzotrichloride	NTP
Benzphetamine hydrochloride	CalOSHAReproToxin
Benzyl chloride	AcutelyHazardousWaste
Benzyl violet 4B [1694-09-3]	IARC-2B
Beryllium and Beryllium Compounds	IARC-1/NTP/ AcutelyHazardousWaste
beta-Naphthylamine, CAS No. 91598;	OSHA
beta-Propiolactone, CAS No. 57578;	OSHA
Betel quid with tobacco	IARC-1
Betel quid without tobacco	IARC-1
bis(Chloroethyl) Nitrosourea	NTP
bis(Chloromethyl) Ether and Technical-Grade Chloromethyl Methyl Ether	NTP/OSHA
Bis(chloromethyl)ether [542-88-1] and chloromethyl methyl ether [107-30-2] (technical-grade)	IARC-1
Bischloroethyl nitrosourea (BCNU) (Carmustine)	IARC-2A
Bitumens [8052-42-4], extracts of steam-refined and air-refined	IARC-2B
Bleomycins [11056-06-7]	IARC-2B
Boron trichloride	ToxicGas
Boron trifluoride	ToxicGas
Botulism toxins	Biotoxin
b-Propiolactone [57-57-8]	IARC-2B
Bracken fern	IARC-2B
Broad-Spectrum Ultraviolet (UV) Radiation	NTP
Bromacil lithium salt	CalOSHAReproToxin
Bromine pentafluoride	ToxicGas
Bromine trifluoride	ToxicGas
Bromoacetone	AcutelyHazardousWaste
Bromodichloromethane	IARC-2B/NTP
Bromoxynil	CalOSHAReproToxin
Bromoxynil octanoate	CalOSHAReproToxin
Brucine	AcutelyHazardousWaste
Butabarbital sodium	CalOSHAReproToxin
Butyl benzyl phthalate (BBP)	CalOSHAReproToxin

Chemical	Source
Butylated hydroxyanisole (BHA) [25013-16-5]	IARC-2B/NTP
C.I. Basic Red 9 Monohydrochloride	NTP
Cadmium and Cadmium Compounds	IARC-1/NTP/OSHA
Caffeic acid [331-39-5]	IARC-2B
Calcium cyanide Ca(CN) ₂	AcutelyHazardousWaste
Captafol [2425-06-1]	IARC-2A
Carbamazepine	CalOSHAReproToxin
Carbon black [1333-86-4]	IARC-2B
Carbon disulfide	CalOSHAReproToxin/ AcutelyHazardousWaste
Carbon monoxide	CalOSHAReproToxin
Carbon Tetrachloride	IARC-2B/NTP
Carbonic dichloride	AcutelyHazardousWaste
Carbonyl fluoride	ToxicGas
Carbonyl sulfide	ToxicGas
Carboplatin	CalOSHAReproToxin
Carrageenan [9000-07-1], degraded	IARC-2B
Catechol [120-80-9]	IARC-2B
Ceramic Fibers (Respirable Size)	NTP
Chenodiol	CalOSHAReproToxin
Chlorambucil	IARC-1/NTP
Chloramphenicol	IARC-2A/NTP
Chlorcyclizine hydrochloride	CalOSHAReproToxin
Chlordane [57-74-9]	IARC-2B
Chlordecone (Kepone) [143-50-0]	IARC-2B
Chlordiazepoxide	CalOSHAReproToxin
Chlordiazepoxide hydrochloride	CalOSHAReproToxin
Chlorendic Acid	IARC-2B/NTP
Chlorinated Paraffins (C ₁₂ , 60% Chlorine)	IARC-2B/NTP
Chlorine gas	ToxicGas
chlorine trifluoride	ToxicGas
Chloroacetaldehyde	AcutelyHazardousWaste
Chloroform	IARC-2B/NTP
Chlorophenoxy herbicides	IARC-2B
Chloroprene	IARC-2B/NTP
Chlorothalonil [1897-45-6]	IARC-2B
Chlorozotocin	IARC-2A/NTP
Chlorsulfuron	CalOSHAReproToxin
Chromium Hexavalent Compounds	NTP
Chromium[VI]	IARC-1
Chrysene [218-01-9]	IARC-2B
CI Acid Red 114 [6459-94-5]	IARC-2B
CI Basic Red 9 [569-61-9]	IARC-2B
CI Direct Blue 15 [2429-74-5]	IARC-2B
Ciclosporin [79217-60-0]	IARC-1
Cidofovir	CalOSHAReproToxin
Cisplatin	IARC-2A/NTP
Citrus Red No. 2 [6358-53-8]	IARC-2B
Cladribine	CalOSHAReproToxin
Clarithromycin	CalOSHAReproToxin
Clobetasol propionate	CalOSHAReproToxin
Clomiphene citrate	CalOSHAReproToxin
Clonorchis sinensis (infection with)	IARC-2A
Clorazepate dipotassium	CalOSHAReproToxin
Clostridium perfringens epsilon toxin	Biotoxin
Coal-tar pitches [65996-93-2]	IARC-1/NTP

Chemical	Source
Coal-tars [8007-45-2]	IARC-1/NTP
Cobalt [7440-48-4] and cobalt compounds	IARC-2B
Cobalt sulfate [10026-24-1] and other soluble cobalt(II) salts	IARC-2B/NTP
Cocaine	CalOSHAReproToxin
Codeine phosphate	CalOSHAReproToxin
Colchicine	CalOSHAReproToxin
Conjugated estrogens	CalOSHAReproToxin
Conotoxins	Biotoxin
Copper cyanide CUCN	AcutelyHazardousWaste
Creosotes [8001-58-9]	IARC-2A
Cupferron	NTP
Cyanazine	CalOSHAReproToxin
Cyanides (soluble cyanide salts), not otherwise specified	AcutelyHazardousWaste
Cyanogen	AcutelyHazardousWaste/ToxicGas
Cyanogen chloride CNCl	AcutelyHazardousWaste
Cyanogens chloride	ToxicGas
Cycasin [14901-08-7]	IARC-2B
Cycloate	CalOSHAReproToxin
Cycloheximide	CalOSHAReproToxin
Cyclopenta[cd]pyrene [27208-37-3]	IARC-2A
Cyclophosphamide (anhydrous)	CalOSHAReproToxin
Cyclophosphamide (hydrated)	CalOSHAReproToxin
Cyclophosphamide	IARC-1/NTP
Cyclosporin A	NTP
Cyhexatin	CalOSHAReproToxin
Cytarabine	CalOSHAReproToxin
Dacarbazine	IARC-2B/NTP
Danazol	CalOSHAReproToxin
Danthron (Chrysazin; 1,8-Dihydroxyanthraquinone)	IARC-2B/NTP
Daunomycin [20830-81-3]	IARC-2B
Daunorubicin hydrochloride	CalOSHAReproToxin
DDT [p,p'-DDT, 50-29-3]	IARC-2B
Demeclocycline hydrochloride (internal use)	CalOSHAReproToxin
di(2-Ethylhexyl) Phthalate	NTP
Diacetoxyscirpenol	Biotoxin
Diazepam	CalOSHAReproToxin
Diazoaminobenzene	NTP
Diazoxide	CalOSHAReproToxin
Dibenz[a,h]acridine	IARC-2B/NTP
Dibenz[a,h]anthracene	IARC-2A/NTP
Dibenz[a,j]acridine	IARC-2B/NTP
Dibenzo[a,e]pyrene	NTP
Dibenzo[a,h]pyrene	IARC-2B/NTP
Dibenzo[a,i]pyrene	IARC-2B/NTP
Dibenzo[a,l]pyrene	IARC-2A/NTP
Diborane	ToxicGas
Dichloroacetic acid [79-43-6]	IARC-2B
Dichlorodiphenyltrichloroethane (DDT)	NTP
Dichloromethane (Methylene Chloride)	IARC-2B/NTP
Dichloromethyl ether	AcutelyHazardousWaste
Dichlorophene	CalOSHAReproToxin
Dichlorophenylarsine	AcutelyHazardousWaste
dichlorosilane	ToxicGas
Dichlorphenamide	CalOSHAReproToxin
Dichlorvos [62-73-7]	IARC-2B
Diclofop methyl	CalOSHAReproToxin

Chemical	Source
Dicumarol	CalOSHAReproToxin
Dieldrin	AcutelyHazardousWaste
Diepoxybutane	NTP
Diesel engine exhaust	IARC-2A
Diesel Exhaust Particulates	NTP
Diesel fuel, marine	IARC-2B
Diethyl Sulfate	IARC-2A/NTP
Diethylarsine	AcutelyHazardousWaste
Diethyl-p-nitrophenyl phosphate	AcutelyHazardousWaste
Diethylstilbestrol (DES)	IARC-1/NTP
Diflunisal	CalOSHAReproToxin
Diglycidyl Resorcinol Ether	IARC-2B/NTP
Dihydroergotamine mesylate	CalOSHAReproToxin
Dihydrosafrole [94-58-6]	IARC-2B
Diisopropyl sulfate [2973-10-6]	IARC-2B
Diisopropylfluorophosphate (DFP)	AcutelyHazardousWaste
Diltiazem hydrochloride	CalOSHAReproToxin
Dimethoate	AcutelyHazardousWaste
Dimethyl Sulfate	IARC-2A/NTP
Dimethylamine	ToxicGas
Dimethylcarbamoyl Chloride	IARC-2A/NTP
Dimethylvinyl Chloride	NTP
Di-n-butyl phthalate (DBP)	CalOSHAReproToxin
Di-n-hexyl phthalate (DnHP)	CalOSHAReproToxin
Dinitrotoluene (technical grade)	CalOSHAReproToxin
Dinocap	CalOSHAReproToxin
Dinoseb	AcutelyHazardousWaste
Diphenylhydantoin (Phenytoin)	CalOSHAReproToxin
Diphosphoramidate, octamethyl-	AcutelyHazardousWaste
Diphosphoric acid, tetraethyl ester	AcutelyHazardousWaste
Disodium cyanodithioimidocarbonate	CalOSHAReproToxin
Disperse Blue 1	IARC-2B/NTP
Disulfoton	AcutelyHazardousWaste
Dithiobiuret	AcutelyHazardousWaste
Doxorubicin hydrochloride (Adriamycin)	CalOSHAReproToxin
Doxycycline (internal use)	CalOSHAReproToxin
Doxycycline calcium (internal use)	CalOSHAReproToxin
Doxycycline hyclate (internal use)	CalOSHAReproToxin
Doxycycline monohydrate (internal use)	CalOSHAReproToxin
Dyes Metabolized to 3,3'-Dimethoxybenzidine	NTP
Dyes Metabolized to 3,3'-Dimethylbenzidine	NTP
Dyes Metabolized to Benzidine	NTP
Endosulfan	AcutelyHazardousWaste
EndothalE	AcutelyHazardousWaste
Endrin	AcutelyHazardousWaste
Endrin, & metabolites	AcutelyHazardousWaste
Engine exhaust, gasoline	IARC-2B
Epichlorohydrin	IARC-2A/NTP
Epinephrine	AcutelyHazardousWaste
Epstein-Barr virus	IARC-1
Ergotamine tartrate	CalOSHAReproToxin
Erionite	IARC-1/NTP
Estrogen therapy, postmenopausal	IARC-1
Estrogen-progestogen menopausal therapy (combined)	IARC-1
Estrogen-progestogen oral contraceptives (combined)	IARC-1
Estrogens, nonsteroidal	IARC-1

Chemical	Source
Estrogens, Steroidal	IARC-1/NTP
Estropipate	CalOSHAReproToxin
Ethanedinitrile	AcutelyHazardousWaste
Ethanin-ii-dithioic acid, N-[[[(methylan-dno)- carbonyl]oxy]-, methyl ester	AcutelyHazardousWaste
Ethionamide	CalOSHAReproToxin
Ethyl acrylate [140-88-5]	IARC-2B
Ethyl cyanide	AcutelyHazardousWaste
Ethyl dipropylthiocarbamate	CalOSHAReproToxin
Ethyl Methanesulfonate	IARC-2B/NTP
Ethylbenzene [100-41-4]	IARC-2B
Ethylene dibromide [106-93-4]	IARC-2A
Ethylene glycol monoethyl ether	CalOSHAReproToxin
Ethylene glycol monoethyl ether acetate	CalOSHAReproToxin
Ethylene glycol monomethyl ether	CalOSHAReproToxin
Ethylene glycol monomethyl ether acetate	CalOSHAReproToxin
Ethylene oxide [75-21-8]	IARC-1/NTP/OSHA
Ethylene Thiourea	NTP
Ethyleneimine	OSHA/AcutelyHazardousWaste
Etodolac	CalOSHAReproToxin
Etoposide [33419-42-0]	IARC-2A
Etoposide [33419-42-0] in combination with cisplatin and bleomycin	IARC-1
Etretinate	CalOSHAReproToxin
Famphur	AcutelyHazardousWaste
Fenoxaprop ethyl	CalOSHAReproToxin
Filgrastim	CalOSHAReproToxin
Fluazifop butyl	CalOSHAReproToxin
Flunisolide	CalOSHAReproToxin
Fluorine	AcutelyHazardousWaste/ToxicGas
Fluoroacetamide	AcutelyHazardousWaste
Fluoroacetic acid, sodium salt	AcutelyHazardousWaste
Fluorouracil	CalOSHAReproToxin
Fluoxymesterone	CalOSHAReproToxin
Flurazepam hydrochloride	CalOSHAReproToxin
Flurbiprofen	CalOSHAReproToxin
Flutamide	CalOSHAReproToxin
Fluticasone propionate	CalOSHAReproToxin
Fluvalinate	CalOSHAReproToxin
Formaldehyde (Gas)	IARC-1/NTP/OSHA
Fuel oils, residual (heavy)	IARC-2B
Fulminic acid, mercury(2+) salt	AcutelyHazardousWaste
Fumonisin B1 [116355-83-0]	IARC-2B
Furan	IARC-2B/NTP
Gallium arsenide [1303-00-0]	IARC-1
Ganciclovir sodium	CalOSHAReproToxin
Gasoline	IARC-2B
Gemfibrozil	CalOSHAReproToxin
Germane	ToxicGas
Glass Wool (Respirable Size)	NTP
Glu-P-1 (2-Amino-6-methyldipyrido[1,2-a:3',2'-d]imidazole) [67730-11-4]	IARC-2B
Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)[67730-10-3]	IARC-2B
Glycidaldehyde [765-34-4]	IARC-2B
Glycidol [556-52-5]	IARC-2A/NTP
Goserelin acetate	CalOSHAReproToxin

Chemical	Source
Griseofulvin [126-07-8]	IARC-2B
Halazepam	CalOSHAReproToxin
Halobetasol propionate	CalOSHAReproToxin
Haloperidol	CalOSHAReproToxin
Halothane	CalOSHAReproToxin
HC Blue No. 1 [2784-94-3]	IARC-2B
Helicobacter pylori (infection with)	IARC-1
Hepatitis B virus (chronic infection with)	IARC-1/NTP
Hepatitis C virus (chronic infection with)	IARC-1/NTP
Heptachlor [76-44-8]	IARC-2B/AcutelyHazardousWaste
Herbal remedies containing plant species of the genus Aristolochia	IARC-1
Heterocyclic Amines	NTP
Hexachlorobenzene [118-74-1]	IARC-2B/NTP
Hexachlorocyclohexanes	IARC-2B
Hexachloroethane	IARC-2B/NTP
Hexaethyl tetraphosphate	AcutelyHazardousWaste
Hexamethylphosphoramide	IARC-2B/NTP
Histrelin acetate	CalOSHAReproToxin
Human immunodeficiency virus type 1 (infection with)	IARC-1
Human immunodeficiency virus type 2 (infection with)	IARC-2B
Human papillomavirus genus beta (some types)	IARC-2B
Human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 and 66	IARC-1
Human papillomavirus types 6 and 11	IARC-2B
Human Papillomaviruses: Some Genital-Mucosal Types	NTP
Human T-cell lymphotropic virus type I	IARC-1
Hydramethylnon	CalOSHAReproToxin
Hydrazine [302-01-2]	IARC-2B
Hydrazine and Hydrazine Sulfate	NTP
Hydrazine, methyl-	AcutelyHazardousWaste
Hydrazinecarbothioamide	AcutelyHazardousWaste
Hydrazobenzene	NTP
Hydrocyanic acid	AcutelyHazardousWaste
Hydrogen bromide	ToxicGas
Hydrogen chloride	ToxicGas
Hydrogen cyanide	AcutelyHazardousWaste/ToxicGas
Hydrogen fluoride	ToxicGas
Hydrogen iodide	ToxicGas
Hydrogen phosphide	AcutelyHazardousWaste
Hydrogen selenide	ToxicGas
Hydrogen sulfide	ToxicGas
Hydroxyurea	CalOSHAReproToxin
I-Acetyl-2-thiourea	AcutelyHazardousWaste
Idarubicin hydrochloride	CalOSHAReproToxin
Ifosfamide	CalOSHAReproToxin
Indeno[1,2,3-cd]pyrene	IARC-2B/NTP
Indium phosphide [22398-80-7]	IARC-2A
Inorganic arsenic	OSHA
Iodide pentafluoride	ToxicGas
Iodine-131	CalOSHAReproToxin
IQ (2-Amino-3-methylimidazo[4,5-f]quinoline) [76180-96-6]	IARC-2A
Iron Dextran Complex	IARC-2B/NTP
Isodrin	AcutelyHazardousWaste
Isoprene	IARC-2B/NTP
Isotretinoin	CalOSHAReproToxin

Chemical	Source
Kaposi's sarcoma herpesvirus/human herpesvirus 8	IARC-2A
Kepone® (Chlordecone)	NTP
Lasiocarpine [303-34-4]	IARC-2B
Lead [7439-92-1]	IARC-2B/NTP
Lead compounds, inorganic	IARC-2A/NTP
Leuprolide acetate	CalOSHAReproToxin
Levodopa	CalOSHAReproToxin
Levonorgestrel implants	CalOSHAReproToxin
Lindane and Other Hexachlorocyclohexane Isomers	NTP
Linuron	CalOSHAReproToxin
Lithium carbonate	CalOSHAReproToxin
Lithium citrate	CalOSHAReproToxin
Lorazepam	CalOSHAReproToxin
Lovastatin	CalOSHAReproToxin
Magenta [632-99-5] (containing CI Basic Red 9)	IARC-2B
m-Dinitrobenzene	CalOSHAReproToxin
MeA-a-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole) [68006-83-7]	IARC-2B
Mebendazole	CalOSHAReproToxin
Medroxyprogesterone acetate [71-58-9]	IARC-2B
Megestrol acetate	CalOSHAReproToxin
MeIQ (2-Amino-3,4-dimethylimidazo[4,5-f]quinoline) [77094-11-2]	IARC-2B
MeIQx (2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline) [77500-04-0]	IARC-2B
Melphalan	IARC-1/NTP
Menotropins	CalOSHAReproToxin
Meproamate	CalOSHAReproToxin
Mercaptopurine	CalOSHAReproToxin
Mercury and mercury compounds	CalOSHAReproToxin
Mercury fulminate	AcutelyHazardousWaste
Mercury, (acetato-O)phenyl-	AcutelyHazardousWaste
Merphalan [531-76-0]	IARC-2B
Metallic Nickel	NTP
Methacycline hydrochloride	CalOSHAReproToxin
Metham sodium	CalOSHAReproToxin
Methanandene, N-methyl-N-nitroso-	AcutelyHazardousWaste
Methane, isocyanato-	AcutelyHazardousWaste
Methane, oxybis[chloro-	AcutelyHazardousWaste
Methane, tetranitro-	AcutelyHazardousWaste
Methanethiol, trichloro-	AcutelyHazardousWaste
Methazole	CalOSHAReproToxin
Methimazole	CalOSHAReproToxin
Methomyl	AcutelyHazardousWaste
Methotrexate	CalOSHAReproToxin
Methotrexate sodium	CalOSHAReproToxin
Methoxsalen with Ultraviolet A Therapy (PUVA)	NTP
Methyl bromide	ToxicGas
Methyl bromide, as a structural fumigant	CalOSHAReproToxin
Methyl chloride	CalOSHAReproToxin/ToxicGas
Methyl chloromethyl ether, CAS No. 107302;	OSHA
Methyl hydrazine	AcutelyHazardousWaste
Methyl isobutyl ketone (MIBK)	CalOSHAReproToxin
Methyl isocyanate	AcutelyHazardousWaste
Methyl mercaptan	ToxicGas
Methyl mercury	CalOSHAReproToxin

Chemical	Source
Methyl Methanesulfonate	IARC-2A/NTP
Methyl parathion	AcutelyHazardousWaste
Methylazoxymethanol acetate [592-62-1]	IARC-2B
Methylene chloride	OSHA
Methylenedianiline	OSHA
Methyleugenol	NTP
Methylmercury compounds	IARC-2B
Methyltestosterone	CalOSHAReproToxin
Methylthiouracil [56-04-2]	IARC-2B
Metiram	CalOSHAReproToxin
Metronidazole	IARC-2B/NTP
Michler's Ketone (4,4'-(Dimethylamino)benzophenone)	NTP
Microcystin-LR [101043-37-2]	IARC-2B
Midazolam hydrochloride	CalOSHAReproToxin
Mineral Oils (Untreated and Mildly Treated)	IARC-1/NTP
Minocycline hydrochloride (internal use)	CalOSHAReproToxin
Mirex	IARC-2B/NTP
Misoprostol	CalOSHAReproToxin
Mitomycin C [50-07-7]	IARC-2B
Mitoxantrone [65271-80-9]	IARC-2B
Mitoxantrone hydrochloride	CalOSHAReproToxin
Monocrotaline [315-22-0]	IARC-2B
Monomethylamine	ToxicGas
MOPP and other combined chemotherapy including alkylating agents	IARC-1
Mustard Gas (Sulfur mustard) [505-60-2]	IARC-1/NTP
Myclobutanil	CalOSHAReproToxin
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornaphazine) [494-03-1]	IARC-1
N,N'-Diacetylbenzidine [613-35-4]	IARC-2B
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide [531-82-8]	IARC-2B
Nabam	CalOSHAReproToxin
Nafarelin acetate	CalOSHAReproToxin
Nafenopin [3771-19-5]	IARC-2B
Naphthalene	IARC-2B/NTP
Neomycin sulfate (internal use)	CalOSHAReproToxin
N-Ethyl-N-nitrosourea [759-73-9]	IARC-2A
Netilmicin sulfate	CalOSHAReproToxin
Nickel carbonyl Ni(CO) ₄ (T-4)-	AcutelyHazardousWaste/ToxicGas/ CalOSHAReproToxin
Nickel Compounds	IARC-1/NTP
Nickel Compounds and Metallic Nickel	NTP
Nickel cyanide Ni(CN) ₂	AcutelyHazardousWaste
Nickel, metallic [7440-02-0] and alloys	IARC-2B
Nicotine	CalOSHAReproToxin
Nicotine, & salts	AcutelyHazardousWaste
Nifedipine	CalOSHAReproToxin
Nimodipine	CalOSHAReproToxin
Niridazole [61-57-4]	IARC-2B
Nitrapyrin	CalOSHAReproToxin
Nitric oxide	AcutelyHazardousWaste/ToxicGas
Nitrilotriacetic Acid [139-13-9] and its salts	IARC-2B/NTP
Nitroarenes (selected)	NTP
Nitrobenzene	IARC-2B/NTP
Nitrofen (2,4-Dichlorophenyl-p-nitrophenyl Ether)	NTP
Nitrofen [1836-75-5] (technical-grade)	IARC-2B
Nitrofurantoin	CalOSHAReproToxin

Chemical	Source
Nitrogen dioxide	AcutelyHazardousWaste/ToxicGas
Nitrogen mustard (Mechlorethamine) [51-75-2]	IARC-2A
Nitrogen Mustard Hydrochloride	NTP
Nitrogen mustard N-oxide [126-85-2]	IARC-2B
Nitrogen oxide NO	AcutelyHazardousWaste
Nitrogen oxide NO2	AcutelyHazardousWaste
Nitrogen trioxide	ToxicGas
Nitroglycerine	AcutelyHazardousWaste
Nitromethane	IARC-2B/NTP
Nitrosyl chloride	ToxicGas
N-Methyl-N'-nitro-N-nitrosoguanidine(MNNG) [70-25-7]	IARC-2A/NTP
N-Methyl-N-nitrosourea [684-93-5]	IARC-2A
N-Methyl-N-nitrosourethane [615-53-2]	IARC-2B
N-Methylpyrrolidone	CalOSHAREproToxin
N-Nitrosodiethanolamine [1116-54-7]	IARC-2B/NTP
N-Nitrosodiethylamine [55-18-5]	IARC-2A/NTP
N-Nitrosodimethylamine [62-75-9]	IARC-2A/NTP/OSHA/ AcutelyHazardousWaste
N-Nitrosodi-n-butylamine [924-16-3]	IARC-2B/NTP
N-Nitrosodi-n-propylamine [621-64-7]	IARC-2B/NTP
N-Nitrosomethylethylamine [10595-95-6]	IARC-2B
N-Nitrosomethylvinylamine [4549-40-0]	IARC-2B/NTP/ AcutelyHazardousWaste
N-Nitrosomorpholine [59-89-2]	IARC-2B/NTP
N-Nitroso-N-ethylurea	NTP
N-Nitroso-N-methylurea	NTP
N-Nitrosornicotine	NTP
N'-Nitrosornicotine (NNN) [16543-55-8] and 4-(N-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK) [64091-91-4]	IARC-1
N-Nitrosopiperidine [100-75-4]	IARC-2B/NTP
N-Nitrosopyrrolidine [930-55-2]	IARC-2B/NTP
N-Nitrososarcosine [13256-22-9]	IARC-2B/NTP
Non-arsenical insecticides (occupational exposures in spraying and application of)	IARC-2A
Norethisterone (Norethindrone)	NTP
Norethisterone (Norethindrone) /Ethinyl estradiol	CalOSHAREproToxin
Norethisterone (Norethindrone) /Mestranol	CalOSHAREproToxin
Norethisterone acetate (Norethindrone acetate)	CalOSHAREproToxin
Norgestrel	CalOSHAREproToxin
O,O-Diethyl 0-pyrazinyl phosphorothioate	AcutelyHazardousWaste
o,p'-DDT	CalOSHAREproToxin
o-Aminoazotoluene	NTP
o-Anisidine Hydrochloride	NTP
Ochratoxin A	IARC-2B/NTP
Octamethylpyrophosphoramidate	AcutelyHazardousWaste
o-Dinitrobenzene	CalOSHAREproToxin
Oil Orange SS [2646-17-5]	IARC-2B
o-Nitroanisole	NTP
Opisthorchis viverrini (infection with)	IARC-1
ortho-Aminoazotoluene [97-56-3]	IARC-2B
ortho-Anisidine [90-04-0]	IARC-2B
ortho-Toluidine [95-53-4]	IARC-2A
Osmium oxide Os O4 (T-4)-	AcutelyHazardousWaste
Osmium tetroxide	AcutelyHazardousWaste
o-Toluidine and o-Toluidine Hydrochloride	NTP

Chemical	Source
Oxadiazon	CalOSHAREproToxin
Oxazepam [604-75-1]	IARC-2B
Oxydemeton methyl	CalOSHAREproToxin
Oxygen difluoride	ToxicGas
Oxymetholone	NTP
Oxytetracycline (internal use)	CalOSHAREproToxin
Oxytetracycline hydrochloride (internal use)	CalOSHAREproToxin
Oxythioquinox (Chinomethionat)	CalOSHAREproToxin
Ozone	ToxicGas
p,p'-DDT	CalOSHAREproToxin
Paclitaxel	CalOSHAREproToxin
Palygorskite (attapulgate) [12174-11-7] (long fibres, > 5 micrometres)	IARC-2B
Panfuran S [794-93-4] (containing dihydroxymethylfuratrizine)	IARC-2B
para-Aminoazobenzene [60-09-3]	IARC-2B
para-Chloroaniline [106-47-8]	IARC-2B
para-Cresidine [120-71-8]	IARC-2B
para-Dichlorobenzene [106-46-7]	IARC-2B
para-Dimethylaminoazobenzene [60-11-7]	IARC-2B
Paramethadione	CalOSHAREproToxin
Parathion	AcutelyHazardousWaste
p-Chloroaniline,	AcutelyHazardousWaste
p-Chloro-o-toluidine and p-Chloro-o-toluidine Hydrochloride	NTP
p-Cresidine	NTP
p-Dinitrobenzene	CalOSHAREproToxin
Penicillamine	CalOSHAREproToxin
Pentobarbital sodium	CalOSHAREproToxin
Pentostatin	CalOSHAREproToxin
Perchloryl fluoride	ToxicGas
Phenacemide	CalOSHAREproToxin
Phenacetin	IARC-2A/NTP
Phenacetin and Analgesic Mixtures Containing Phenacetin	IARC-1/NTP
Phenazopyridine Hydrochloride	IARC-2B/NTP
Phenobarbital [50-06-6]	IARC-2B
Phenol, 2-(1-methylpropyl)-4,6-dinitro-	AcutelyHazardousWaste
Phenol, 2,4,6-trinitro-, ammonium salt (R)	AcutelyHazardousWaste
Phenol, 2,4-dinitro-	AcutelyHazardousWaste
Phenol, 2-cyclohexyl-4,6-dinitro-	AcutelyHazardousWaste
Phenol, 2-methyl-4,6-dinitro-, & salts	AcutelyHazardousWaste
Phenolphthalein	IARC-2B/NTP
Phenoxybenzamine Hydrochloride	IARC-2B/NTP
Phenprocoumon	CalOSHAREproToxin
Phenyl glycidyl ether [122-60-1]	IARC-2B
Phenylmercury acetate	AcutelyHazardousWaste
Phenylthiourea	AcutelyHazardousWaste
Phenytoin	IARC-2B/NTP
PhIP (2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) [105650-23-5]	IARC-2B
Phorate	AcutelyHazardousWaste
Phosgene	AcutelyHazardousWaste/ToxicGas
Phosphorous oxychloride	ToxicGas
Phosphorous trifluoride	ToxicGas
Phosphine	AcutelyHazardousWaste/ToxicGas
Phosphoric acid, diethyl 4-nitrophenyl ester	AcutelyHazardousWaste
Phosphorodithioic acid, O,O-diethyl S-[(ethyl- thio)methyl] ester	AcutelyHazardousWaste
Phosphorodithioic acid, O,O-diethyl S-[2- (ethylthio)ethyl] ester	AcutelyHazardousWaste

Chemical	Source
Phosphorodithioic acid, O,O-dimethyl S-[2- (methylan-dno)-2-oxoethyl] ester	AcutelyHazardousWaste
Phosphorofluoridic acid, bis(l-methylethyl) ester	AcutelyHazardousWaste
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	AcutelyHazardousWaste
Phosphorothioic acid, O,O-dimethyl O-(4-rdtro- phenyl) ester	AcutelyHazardousWaste
Phosphorothioic acid, O-[4-[(dimethylamino)-sulfonyl]phenyl] O,O-dimethyl ester	AcutelyHazardousWaste
Phosphorothioic acid, O,O-diethyl O-(4-nitro- phenyl) ester	AcutelyHazardousWaste
Phosphorous pentafluoride	ToxicGas
Phosphorus-32, as phosphate	IARC-1
Pimozide	CalOSHAReproToxin
Pipobroman	CalOSHAReproToxin
Plicamycin	CalOSHAReproToxin
Plumbane, tetraethyl-	AcutelyHazardousWaste
p-Nitroaniline	AcutelyHazardousWaste
Polybrominated biphenyls	CalOSHAReproToxin
Polybrominated Biphenyls (PBBs) [Firemaster BP-6, 59536-65-1]	IARC-2B/NTP
Polychlorinated Biphenyls (PCBs)	IARC-2A/NTP
Polychlorophenols and their sodium salts (mixed exposures)	IARC-2B
Polycyclic Aromatic Hydrocarbons (15 Listings)	NTP
Ponceau 3R [3564-09-8]	IARC-2B
Ponceau MX [3761-53-3]	IARC-2B
Potassium bromate [7758-01-2]	IARC-2B
Potassium cyanide K(CN)	AcutelyHazardousWaste
Potassium dimethyldithiocarbamate	CalOSHAReproToxin
Potassium silver cyanide	AcutelyHazardousWaste
Pravastatin sodium	CalOSHAReproToxin
Prednisolone sodium phosphate	CalOSHAReproToxin
Procarbazine Hydrochloride	IARC-2A/NTP
Progesterone	NTP
Progestins	IARC-2B
Progestogen-only contraceptives	IARC-2B
Propanal, 2-methyl-2-(methylthio)-, O-[(methyl-amino)carbonyl]oxime	AcutelyHazardousWaste
Propanenitrile	AcutelyHazardousWaste
Propanenitrile, 2-hydroxy-2-methyl-	AcutelyHazardousWaste
Propanenitrile, 3-chloro-	AcutelyHazardousWaste
Propargite	CalOSHAReproToxin
Propargyl alcohol	AcutelyHazardousWaste
Propylene Oxide	IARC-2B/NTP
Propylthiouracil	IARC-2B/NTP
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	AcutelyHazardousWaste
Pyrimethamine	CalOSHAReproToxin
Quazepam	CalOSHAReproToxin
Quizalofop-ethyl	CalOSHAReproToxin
Refractory ceramic fibres	IARC-2B
Reserpine	NTP
Resmethrin	CalOSHAReproToxin
Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents.	CalOSHAReproToxin
Ribavirin	CalOSHAReproToxin
Ricin	Biotoxin
Riddelliine [23246-96-0]	IARC-2B
Rifampin	CalOSHAReproToxin
Safrole	IARC-2B/NTP

Chemical	Source
Saxitoxin	Biotoxin
Schistosoma haematobium (infection with)	IARC-1
Schistosoma japonicum (infection with)	IARC-2B
Secobarbital sodium	CalOSHAReproToxin
Selenious acid, dithallium(I+) salt	AcutelyHazardousWaste
Selenium Sulfide	NTP
Selenourea	AcutelyHazardousWaste
Sermorelin acetate	CalOSHAReproToxin
Shale-oils [68308-34-9]	IARC-1
Shigatoxin	Biotoxin
Silica [14808-60-7], crystalline (inhaled in the form of quartz or cristobalite from occupational sources)	IARC-1
Silica, Crystalline (Respirable Size)	NTP
Silicon tetrachloride	ToxicGas
Silicon tetrafluoride	ToxicGas
Silver cyanide AG(CN)	AcutelyHazardousWaste
Sodium azide	AcutelyHazardousWaste
Sodium cyanide NA(CN)	AcutelyHazardousWaste
Sodium dimethyldithiocarbamate	CalOSHAReproToxin
Sodium fluoroacetate	CalOSHAReproToxin
Sodium ortho-phenylphenate [132-27-4]	IARC-2B
Special-purpose fibres such as E-glass and '475' glass fibres	IARC-2B
β-Propiolactone	NTP
Staphylococcal enterotoxins	Biotoxin
Sterigmatocystin [10048-13-2]	IARC-2B
Stibine	ToxicGas
Streptomycin sulfate	CalOSHAReproToxin
Streptozotocin (Streptozocin)	IARC-2B/NTP
Strong Inorganic Acid Mists Containing Sulfuric Acid	NTP
Strychnidin-10-one, & salts	AcutelyHazardousWaste
Strychnidin-10-one, 2,3-dimethoxy-	AcutelyHazardousWaste
Strychnine, & salts	AcutelyHazardousWaste
Styrene [100-42-5]	IARC-2B
Styrene-7,8-oxide	IARC-2A/NTP
Sulfallate	IARC-2B/NTP
Sulfasalazine	CalOSHAReproToxin
Sulfur dioxide	ToxicGas
Sulfur tetrafluoride	ToxicGas
Sulfuric acid, dithallium(I+) salt	AcutelyHazardousWaste
Sulfuryl fluoride	ToxicGas
Sulindac	CalOSHAReproToxin
T-2 toxin	Biotoxin
Talc containing asbestiform fibres	IARC-1
Tamoxifen	IARC-1/NTP
Tamoxifen citrate	CalOSHAReproToxin
Temazepam	CalOSHAReproToxin
Teniposide [29767-20-2]	IARC-2A
Terbacil	CalOSHAReproToxin
Testosterone cypionate	CalOSHAReproToxin
Testosterone enanthate	CalOSHAReproToxin
Tetrachloroethylene (Perchloroethylene)	IARC-2A/NTP
Tetracycline (internal use)	CalOSHAReproToxin
Tetracycline hydrochloride (internal use)	CalOSHAReproToxin
Tetraethyl lead	AcutelyHazardousWaste
Tetraethyl pyrophosphate	AcutelyHazardousWaste
Tetraethyldithiopyrophosphate	AcutelyHazardousWaste

Chemical	Source
Tetrafluoroethylene	IARC-2B/NTP
Tetranitromethane	IARC-2B/NTP/ AcutelyHazardousWaste
Tetraphosphoric acid, hexaethyl ester	AcutelyHazardousWaste
Tetrodotoxin	Biotoxin
Thalidomide	CalOSHAReproToxin
Thallic oxide	AcutelyHazardousWaste
Thallium oxide Tl ₂ O ₃	AcutelyHazardousWaste
Thallium(I) selenite	AcutelyHazardousWaste
Thallium(I) sulfate	AcutelyHazardousWaste
Thioacetamide	IARC-2B/NTP
Thiodiphosphoric acid, tetraethyl ester	AcutelyHazardousWaste
Thiofanox	AcutelyHazardousWaste
Thioguanine	CalOSHAReproToxin
Thioimidodicarbonic diamide [(H ₂ N)C(S)] ₂ NH	AcutelyHazardousWaste
Thiophanate methyl	CalOSHAReproToxin
Thiophenol	AcutelyHazardousWaste
Thiosemicarbazide	AcutelyHazardousWaste
Thiotepa	IARC-1/NTP
Thiouracil [141-90-2]	IARC-2B
Thiourea	NTP
Thiourea, (2-chlorophenyl)-	AcutelyHazardousWaste
Thiourea, 1-naphthalenyl-	AcutelyHazardousWaste
Thiourea, phenyl-	AcutelyHazardousWaste
Thorium Dioxide	NTP
Titanium dioxide [13463-67-7]	IARC-2B
Tobramycin sulfate	CalOSHAReproToxin
Toluene	CalOSHAReproToxin
Toluene Diisocyanate	IARC-2B/NTP
Toxaphene (Polychlorinated camphenes) [8001-35-2]	IARC-2B/NTP/ AcutelyHazardousWaste
Toxins derived from Fusarium moniliforme: fumonisin B1 and B2 and fusarin C	IARC-2B
trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole [25962-77-0]	IARC-2B
Treosulfan [299-75-2]	IARC-1
Triadimefon	CalOSHAReproToxin
Triazolam	CalOSHAReproToxin
Tributyltin methacrylate	CalOSHAReproToxin
Trichlormethine (Trimustine hydrochloride) [817-09-4]	IARC-2B
Trichloroethylene	IARC-2A/NTP
Trichloromethanethiol	AcutelyHazardousWaste
Trientine hydrochloride	CalOSHAReproToxin
Triforine	CalOSHAReproToxin
Trilostane	CalOSHAReproToxin
Trimethadione	CalOSHAReproToxin
Trimetrexate glucuronate	CalOSHAReproToxin
Triphenyltin hydroxide	CalOSHAReproToxin
tris(2,3-Dibromopropyl) Phosphate	IARC-2A/NTP
Trp-P-1 (3-Amino-1,4-dimethyl-5H-pyrido[4,3-b]indole) [62450-06-0]	IARC-2B
Trp-P-2 (3-Amino-1-methyl-5H-pyrido[4,3-b]indole) [62450-07-1]	IARC-2B
Trypan blue [72-57-1]	IARC-2B
Tungsten hexafluoride	ToxicGas
Uracil mustard [66-75-1]	IARC-2B
Urethane (Ethyl carbamate)	IARC-2B/NTP

Chemical	Source
Urofollitropin	CalOSHAReproToxin
Valproate (Valproic acid)	CalOSHAReproToxin
Vanadic acid, ammonium salt	AcutelyHazardousWaste
Vanadium oxide VO ₂	AcutelyHazardousWaste
Vanadium pentoxide [1314-62-1]	IARC-2B/AcutelyHazardousWaste
Vinblastine sulfate	CalOSHAReproToxin
Vinclozolin	CalOSHAReproToxin
Vincristine sulfate	CalOSHAReproToxin
Vinyl acetate [108-05-4]	IARC-2B
Vinyl Bromide	IARC-2A/NTP/ToxicGas
Vinyl Chloride	IARC-1/NTP/OSHA/ToxicGas
Vinyl Fluoride	IARC-2A/NTP/ToxicGas
Vinylan-Line, N-methyl-N-nitroso-	AcutelyHazardousWaste
Warfarin	CalOSHAReproToxin
Warfarin, & salts, when present at concentrations greater than 0.3%	AcutelyHazardousWaste
Welding fumes	IARC-2B
Zalcitabine [7481-89-2]	IARC-2B
Zidovudine (AZT) [30516-87-1]	IARC-2B
Zileuton	CalOSHAReproToxin
Zinc cyanide Zn(CN) ₂	AcutelyHazardousWaste
Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10%	AcutelyHazardousWaste

Sources

Definitions of high hazard chemicals provided in Appendix II-A in Part II of the Chemical Hygiene Plan

- [AcutelyHazardousWaste: US EPA 40 CFR 261.33 - P-listed acutely hazardous wastes](#)
- Biotxin: US Department of Health and Human Services (DHHS) - particularly hazardous and acutely toxic biological agents
- [CalOSHAReproToxin: California Proposition 65 - reproductive toxins](#)
- [IARC-1: International Agency for Research on Cancer \(IARC\) Group 1 - carcinogenic to humans](#)
- [IARC-2A: IARC Group 2A - probably carcinogenic to humans](#)
- [IARC-2B: IARC Group 2B - possibly carcinogenic to humans](#)
- NTP: DHHS National Toxicology Program (NTP) Report on Carcinogens - [known](#) or [reasonably anticipated](#) to be human carcinogens
- [OSHA: 29 CFR 1910 Subpart Z - carcinogens or potential carcinogens](#)
- ToxicGas: representative toxic gases