STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT
SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY
JUNE 4, 1999

The Safe Drinking Water and Toxic Enforcement Act of 1986 requires that the Governor revise and republish at least once per year the list of chemicals known to the State to cause cancer or reproductive toxicity. The identification number indicated in the following list is the Chemical Abstracts Service (CAS) Registry Number. No CAS number is given when several substances are presented as a single listing. The date refers to the initial appearance of the chemical on the list. For easy reference, chemicals which are shown underlined are newly added.

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER

Chemical	CAS Number	Date
2,4,5-Trimethylaniline and its strong acid salts	---	October 24, 1997
5-Chloro-o-toluidine and its strong acid salts	---	October 24, 1997
Aflatoxins	---	January 1, 1988
Alcoholic beverages, when associated with alcohol abuse	---	July 1, 1988
Analgesic mixtures containing phenacetin	---	February 27, 1987
Arsenic (inorganic arsenic compounds)	---	February 27, 1987
Benzidine-based dyes	---	October 1, 1992
Beryllium and beryllium compounds	---	October 1, 1987
Betel quid with tobacco	---	January 1, 1990
Bitumens, extracts of steam-refined and air refined	---	January 1, 1990
Bracken fern	---	January 1, 1990
Cadmium and cadmium compounds	---	October 1, 1987
Carbon-black extracts	---	January 1, 1990
Ceramic fibers (airborne particles of respirable size)	---	July 1, 1990
Certain combined chemotherapy for lymphomas	---	February 27, 1987
Chromium (hexavalent compounds)	---	February 27, 1987
Coke oven emissions	---	February 27, 1987
Conjugated estrogens	---	February 27, 1987
Creosotes	---	October 1, 1988
Diaminotoluene (mixed)	---	January 1, 1990
Diesel engine exhaust	---	October 1, 1990
Dinitrotoluene mixture, 2,4-/2,6-	---	May 1, 1996
Gasoline engine exhaust (condensates/extracts)	---	October 1, 1990
Glasswool fibers (airborne particles of respirable size)	---	July 1, 1990
Hexachlorocyclohexane (technical grade)	---	October 1, 1987
Lead and lead compounds	---	October 1, 1992
Lindane and other hexachlorocyclohexane isomers	---	October 1, 1989
Methylhydrazine and its salts	---	July 1, 1992
Methylmercury compounds	---	May 1, 1996
Nickel and certain nickel compounds	---	October 1, 1989
Nickel refinery dust from the pyrometallurgical process	---	October 1, 1987
Oral contraceptives, combined	---	October 1, 1989
Oral contraceptives, sequential	---	October 1, 1989
p-Chloro-*o*-toluidine, strong acid salts of	---	May 15, 1998
Phenylhydrazine and its salts	---	July 1, 1992
Polybrominated biphenyls	---	January 1, 1988
Polychlorinated biphenyls	---	October 1, 1989
Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight)	---	January 1, 1988

Polychlorinated dibenzofurans	---	October 1, 1992
Polychlorinated dibenzo-p-dioxins	---	October 1, 1992
Quinoline and its strong acid salts	---	October 24, 1997
Radionuclides	---	July 1, 1989
Residual (heavy) fuel oils	---	October 1, 1990
Silica, crystalline (airborne particles of respirable size)	---	October 1, 1988
Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils)	---	February 27, 1987
Talc containing asbestiform fibers	---	April 1, 1990
Tobacco smoke	---	April 1, 1988
Tobacco, oral use of smokeless products	---	April 1, 1988
Unleaded gasoline (wholly vaporized)	---	April 1, 1988
Formaldehyde (gas)	50000	January 1, 1988
Phenobarbital	50066	January 1, 1990
Mitomycin C	50077	April 1, 1988
Cyclophosphamide (anhydrous)	50180	February 27, 1987
Estradiol 17B	50282	January 1, 1988
DDT (Dichlorodiphenyltrichloroethane)	50293	October 1, 1987
Benzo[a]pyrene	50328	July 1, 1987
Reserpine	50555	October 1, 1989
Actinomycin D	50760	October 1, 1989
Propylthiouracil	51525	January 1, 1988
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1988
Urethane (Ethyl carbamate)	51796	January 1, 1988
Spironolactone	52017	May 1, 1997
Tris(1-aziridinyl)phosphine sulfide (Thiotepa)	52244	January 1, 1988
Estrone	53167	January 1, 1988
Dibenz[a,h]anthracene	53703	January 1, 1988
2-Acetylaminofluorene	53963	July 1, 1987
N-Nitrosodiethylamine	55185	October 1, 1987
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	April 1, 1988
1,4-Butanediol dimethanesulfonate (Busulfan)	55981	February 27, 1987
Methylthiouracil	56042	October 1, 1989
Carbon tetrachloride	56235	October 1, 1987
3-Methylcholanthrene	56495	January 1, 1990
Diethylstilbestrol	56531	February 27, 1987
Benz[a]anthracene	56553	July 1, 1987
Chloramphenicol	56757	October 1, 1989
1,1-Dimethylhydrazine (UDMH)	57147	October 1, 1989
Diphenylhydantoin (Phenytoin)	57410	January 1, 1988
beta-Propiolactone	57578	January 1, 1988
Ethinylestradiol	57636	January 1, 1988
Chlordane	57749	July 1, 1988
Progesterone	57830	January 1, 1988
7,12-Dimethylbenz(a)anthracene	57976	January 1, 1990
Testosterone and its esters	58220	April 1, 1988
Nitrofurazone	59870	January 1, 1990
N-Nitrosomorpholine	59892	January 1, 1988
Phenoxybenzamine	59961	April 1, 1988
p-Aminoazobenzene	60093	January 1, 1990
4-Dimethylaminoazobenzene	60117	January 1, 1988
Acetamide	60355	January 1, 1990
Dieldrin	60571	July 1, 1988
Niridazole	61574	April 1, 1988
Amitrole	61825	July 1, 1987
Phenacetin	62442	October 1, 1989

Ethyl methanesulfonate	62500	January 1, 1988
Aniline	62533	January 1, 1990
Thioacetamide	62555	January 1, 1988
Thiourea	62566	January 1, 1988
DDVP (Dichlorvos)	62737	January 1, 1989
N-Nitrosodimethylamine	62759	October 1, 1987
Phenoxybenzamine hydrochloride	63923	April 1, 1988
Diethyl sulfate	64675	January 1, 1988
Methyl methanesulfonate	66273	April 1, 1988
Uracil mustard	66751	April 1, 1988
Furazolidone	67458	January 1, 1990
Chloroform	67663	October 1, 1987
Hexachloroethane	67721	July 1, 1990
Norethisterone (Norethindrone)	68224	October 1, 1989
Tris(aziridinyl)-para-benzoquinone (Triaziquone)	68768	October 1, 1989
N-Methyl-N'-nitro-N-nitrosoguanidine	70257	April 1, 1988
Benzene	71432	February 27, 1987
Medroxyprogesterone acetate	71589	January 1, 1990
Mestranol	72333	April 1, 1988
DDD (Dichlorodiphenyldichloroethane)	72548	January 1, 1989
DDE (Dichlorodiphenyldichloroethylene)	72559	January 1, 1989
Trypan blue (commercial grade)	72571	October 1, 1989
Methyl iodide	74884	April 1, 1988
Chloroethane (Ethyl chloride)	75003	July 1, 1990
Vinyl chloride	75014	February 27, 1987
Vinyl fluoride	75025	May 1, 1997
Acetaldehyde	75070	April 1, 1988
Dichloromethane (Methylene chloride)	75092	April 1, 1988
Ethylene oxide	75218	July 1, 1987
Bromoform	75252	April 1, 1991
Bromodichloromethane	75274	January 1, 1990
1,1-Dichloroethane	75343	January 1, 1990
Nitromethane	75525	May 1, 1997
2-Methylaziridine (Propyleneimine)	75558	January 1, 1988
Propylene oxide	75569	October 1, 1988
Cacodylic acid	75605	May 1, 1996
Heptachlor	76448	July 1, 1988
Triphenyltin hydroxide	76879	July 1, 1992
Phenolphthalein	77098	May 15, 1998
Dimethyl sulfate	77781	January 1, 1988
Isoprene	78795	May 1, 1996
1,2-Dichloropropane	78875	January 1, 1990
Vinyl trichloride (1,1,2-Trichloroethane)	79005	October 1, 1990
Trichloroethylene	79016	April 1, 1988
Acrylamide	79061	January 1, 1990
1,1,2,2-Tetrachloroethane	79345	July 1, 1990
Dichloroacetic acid	79436	May 1, 1996
Dimethylcarbamoyl chloride	79447	January 1, 1988
2-Nitropropane	79469	January 1, 1988
Saccharin	81072	October 1, 1989
1-Amino-2,4-dibromoanthraquinone	81492	August 26, 1997
D&C Red No. 19	81889	July 1, 1990
1-Amino-2-methylanthraquinone	82280	October 1, 1989
Dienestrol	84173	January 1, 1990
N-Nitrosodiphenylamine	86306	April 1, 1988
Carbazole	86748	May 1, 1996

Cinnamyl anthranilate	87296	July 1, 1989
2,6- Xylidine (2,6-Dimethylaniline)	87627	January 1, 1991
Pentachlorophenol	87865	January 1, 1990
2,4,6-Trichlorophenol	88062	January 1, 1988
o-Nitrotoluene	88722	May 15, 1998
ortho-Anisidine	90040	July 1, 1987
Michler's ketone	90948	January 1, 1988
o-Nitroanisole	91236	October 1, 1992
2-Naphthylamine	91598	February 27, 1987
3,3'-Dichlorobenzidine	91941	October 1, 1987
4-Aminobiphenyl (4-aminodiphenyl)	92671	February 27, 1987
Benzidine [and its salts]	92875	February 27, 1987
4-Nitrobiphenyl	92933	April 1, 1988
Dihydrosafrole	94586	January 1, 1988
Safrole	94597	January 1, 1988
Phenazopyridine	94780	January 1, 1988
Sulfallate	95067	January 1, 1988
ortho-Toluidine	95534	January 1, 1988
o-Phenylenediamine and its salts	95545	May 15, 1998
p-Chloro-o-toluidine	95692	January 1, 1990
2,4-Diaminotoluene	95807	January 1, 1988
4-Chloro-ortho-phenylenediamine	95830	January 1, 1988
Styrene oxide	96093	October 1, 1988
1,2-Dibromo-3-chloropropane (DBCP)	96128	July 1, 1987
2,3-Dibromo-1-propanol	96139	October 1, 1994
1,2,3-Trichloropropane	96184	October 1,1992
Ethylene thiourea	96457	January 1, 1988
ortho-Aminoazotoluene	97563	July 1, 1987
Benzotrichloride	98077	July 1, 1987
Nitrobenzene	98953	August 26, 1997
5-Nitro-o-anisidine	99592	October 1, 1989
4-Vinylcyclohexene	100403	May 1, 1996
Benzyl chloride	100447	January 1, 1990
N-Nitrosopiperidine	100754	January 1, 1988
4,4'-Methylene bis(2-chloroaniline)	101144	July 1, 1987
4,4'-Methylene bis(N,N-dimethyl)benzenamine	101611	October 1, 1989
4,4'-Methylenedianiline	101779	January 1, 1988
4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)	101804	January 1, 1988
Diglycidyl resorcinol ether (DGRE)	101906	July 1, 1989
Azobenzene	103333	January 1, 1990
p-Dichlorobenzene	106467	January 1, 1989
p-Chloroaniline	106478	October 1, 1994
para-Toluidine	106490	January 1, 1990
4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide)	106876	July 1, 1990
Epichlorohydrin	106898	October 1, 1987
Ethylene dibromide	106934	July 1, 1987
1,3-Butadiene	106990	April 1, 1988
Allyl chloride	107051	January 1, 1990
Ethylene dichloride (1,2-Dichloroethane)	107062	October 1, 1987
Acrylonitrile	107131	July 1, 1987
Chloromethyl methyl ether (technical grade)	107302	February 27, 1987
Furan	110009	October 1, 1993
Bis(2-chloroethyl)ether	111444	April 1, 1988
Azaserine	115026	July 1, 1987
Chlorendic acid	115286	July 1, 1989
Tris(2-chloroethyl) phosphate	115968	April 1, 1992

Tetrafluoroethylene	116143	May 1, 1997
Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)	117102	January 1, 1992
2-Aminoanthraquinone	117793	October 1, 1989
Di(2-ethylhexyl)phthalate	117817	January 1, 1988
Hexachlorobenzene	118741	October 1, 1987
4-Amino-2-nitrophenol	119346	January 29, 1999
3,3'-Dimethoxybenzidine (ortho-Dianisidine)	119904	January 1, 1988
3,3'-Dimethylbenzidine (ortho-Tolidine)	119937	January 1, 1988
Isosafrole	120581	October 1, 1989
para-Cresidine	120718	January 1, 1988
2,4-Dinitrotoluene	121142	July 1, 1988
Phenyl glycidyl ether	122601	October 1, 1990
Hydrazobenzene (1,2-Diphenylhydrazine)	122667	January 1, 1988
1,4-Dioxane	123911	January 1, 1988
Chlorodibromomethane	124481	January 1, 1990
Griseofulvin	126078	January 1, 1990
Tris(2,3-dibromopropyl)phosphate	126727	January 1, 1988
Nitrogen mustard N-oxide	126852	April 1, 1988
Tetrachloroethylene (Perchloroethylene)	127184	April 1, 1988
Saccharin, sodium	128449	January 1, 1988
2-Methyl-1-nitroanthraquinone (of uncertain purity)	129157	April 1, 1988
o-Phenylphenate, sodium	132274	January 1, 1990
Captan	133062	January 1, 1990
Folpet	133073	January 1, 1989
ortho-Anisidine hydrochloride	134292	July 1, 1987
1-Naphthylamine	134327	October 1, 1989
Cupferron	135206	January 1, 1988
Phenazopyridine hydrochloride	136403	January 1, 1988
Di-n-propyl isocinchomeronate (MGK Repellent 326)	136458	May 1, 1996
Metham sodium	137428	November 6, 1998
Nitrilotriacetic acid	139139	January 1, 1988
4,4'-Thiodianiline	139651	April 1, 1988
5-(Morpholinomethyl)-3-[(5-nitro-furfurylidene)-amino]-2-oxazolidinone	139913	April 1, 1988
Aramite	140578	July 1, 1987
Ethyl acrylate	140885	July 1, 1989
Aniline hydrochloride	142041	May 15, 1998
Chlordecone (Kepone)	143500	January 1, 1988
Melphalan	148823	February 27, 1987
Ethyleneimine	151564	January 1, 1988
2-Aminofluorene	153786	January 29, 1999
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1987
p-Nitrosodiphenylamine	156105	January 1, 1988
Dibenzo[a,i]pyrene	189559	January 1, 1988
Dibenzo[a,h]pyrene	189640	January 1, 1988
Dibenzo[a,l]pyrene	191300	January 1, 1988
Dibenzo[a,e]pyrene	192654	January 1, 1988
Indeno [1,2,3-cd]pyrene	193395	January 1, 1988
7H-Dibenzo[c,g]carbazole	194592	January 1, 1988
Benzo[j]fluoranthene	205823	July 1, 1987
Benzo[b]fluoranthene	205992	July 1, 1987
Benzo[k]fluoranthene	207089	July 1, 1987
Chrysene	218019	January 1, 1990
Dibenz[a,j]acridine	224420	January 1, 1988
Dibenz[a,h]acridine	226368	January 1, 1988
Benzofuran	271896	October 1, 1990
8-Methoxypsoralen with ultraviolet A therapy	298817	February 27, 1987

Treosulfan	299752	February 27, 1987
Lead acetate	301042	January 1, 1988
Hydrazine	302012	January 1, 1988
Nitrogen mustard N-oxide hydrochloride	302705	April 1, 1988
Lasiocarpine	303344	April 1, 1988
Ochratoxin A	303479	July 1, 1990
Chlorambucil	305033	February 27, 1987
Aldrin	309002	July 1, 1988
Monocrotaline	315220	April 1, 1988
Azacitidine	320672	January 1, 1992
Caffeic acid	331395	October 1, 1994
Procarbazine hydrochloride	366701	January 1, 1988
Nalidixic acid	389082	May 15, 1998
Oxymetholone	434071	January 1, 1988
Metronidazole	443481	January 1, 1988
Azathioprine	446866	February 27, 1987
5-Methoxypsoralen with ultraviolet A therapy	484208	October 1, 1988
Auramine	492808	July 1, 1987
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine)	494031	February 27, 1987
Mustard Gas	505602	February 27, 1987
Tetranitromethane	509148	July 1, 1990
Ethyl-4,4'-dichlorobenzilate	510156	January 1, 1990
Trimethyl phosphate	512561	May 1, 1996
Dimethylvinylchloride	513371	July 1, 1989
Merphalan	531760	April 1, 1988
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531828	April 1, 1988
1,2-Dimethylhydrazine	540738	January 1, 1988
Isobutyl nitrite	542563	May 1, 1996
1,3-Dichloropropene	542756	January 1, 1989
Bis(chloromethyl)ether	542881	February 27, 1987
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555840	April 1, 1988
Glycidol	556525	July 1, 1990
3-Chloro-2-methylpropene	563473	July 1, 1989
Chlorotrianisene	569573	September 1, 1996
C.I. Basic Red 9 monohydrochloride	569619	July 1, 1989
Methylazoxymethanol	590965	April 1, 1988
Methylazoxymethanol acetate	592621	April 1, 1988
Vinyl bromide	593602	October 1, 1988
Methyl carbamate	598550	May 15, 1998
Salicylazosulfapyridine	599791	May 15, 1998
5-Nitroacenaphthene	602879	April 1, 1988
Oxazepam	604751	October 1, 1994
2,6-Dinitrotoluene	606202	July 1, 1995
2-Nitrofluorene	607578	October 1, 1990
3,3'-Dimethylbenzidine dihydrochloride	612828	April 1, 1992
3,3′-Dichlorobenzidine dihydrochloride	612839	May 15, 1998
N,N'-Diacetylbenzidine	613354	October 1, 1989
2,4-Diaminoanisole	615054	October 1, 1990
N-Nitroso-N-methylurethane	615532	April 1, 1988
N-Nitrosodi-n-propylamine	621647	January 1, 1988
Diphenylhydantoin (Phenytoin), sodium salt	630933	January 1, 1988
ortho-Toluidine hydrochloride	636215	January 1, 1988
Clofibrate	637070	September 1, 1996
Procarbazine	671169	January 1, 1988
Hexamethylphosphoramide	680319	January 1, 1988
N-Nitroso-N-methylurea	684935	October 1, 1987

2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712685	July 1, 1987
N-Nitroso-N-ethylurea	759739	October 1, 1987
1,4-Dichloro-2-butene	764410	January 1, 1990
Glycidaldehyde	765344	January 1, 1988
Panfuran S	794934	January 1, 1988
Trichlormethine (Trimustine hydrochloride)	817094	January 1, 1992
4,4'-Methylene bis(2-methylaniline)	838880	April 1, 1988
C.I. Solvent Yellow 14	842079	May 15, 1998
N-Nitrosodi-n-butylamine	924163	October 1, 1987
N-Methylolacrylamide	924425	July 1, 1990
N-Nitrosopyrrolidine	930552	October 1, 1987
Heptachlor epoxide	1024573	July 1, 1988
N-Nitrosodiethanolamine	1116547	January 1, 1988
1,3-Propane sultone	1120714	January 1, 1988
Cobalt [II] oxide	1307966	July 1, 1992
Antimony oxide (Antimony trioxide)	1309644	October 1, 1990
Thorium dioxide	1314201	February 27, 1987
Asbestos	1332214	February 27, 1987
Lead subacetate	1335326	October 1, 1989
Diepoxybutane	1464535	January 1, 1988
Daminozide	1596845	January 1, 1990
1,2-Diethylhydrazine	1615801	January 1, 1988
Benzyl violet 4B	1694093	July 1, 1987
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	January 1, 1988
Nitrofen (technical grade)	1836755	January 1, 1988
Chlorothalonil	1897456	January 1, 1989
Direct Black 38 (technical grade)	1937377	January 1, 1988
D&C Red No. 8	2092560	October 1, 1990
Propargite	2312358	October 1, 1994
Mirex	2385855	January 1, 1988
Captafol	2425061	October 1, 1988
C.I. Direct Blue 15	2429745	August 26, 1997
Disperse Blue 1	2475458	October 1, 1990
Terrazole	2593159	October 1, 1994
Direct Blue 6 (technical grade)	2602462	January 1, 1988
Oil Orange SS	2646175	April 1, 1988
HC Blue 1	2784943	July 1, 1989
Diisopropyl sulfate	2973106	April 1, 1993
beta-Butyrolactone	3068880	July 1, 1987
2,2-Bis(bromomethyl)-1,3-propanediol	3296900	May 1, 1996
D&C Orange No. 17	3468631	July 1, 1990
Phenesterin	3546109	July 1, 1989
Ponceau 3R	3564098	April 1, 1988
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	3570750	January 1, 1988
AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	3688537	July 1, 1987
5-Methylchrysene	3697243	April 1, 1988
Ponceau MX	3761533	April 1, 1988
Nafenopin	3771195	April 1, 1988
Dacarbazine	4342034	January 1, 1988
N-Nitrosomethylvinylamine	4549400	January 1, 1988
D&C Red No. 9	5160021	July 1, 1990
p-a,a,a-Tetrachlorotoluene	5216251	January 1, 1990
1-Nitropyrene	5522430	October 1, 1990
Cyclophosphamide (hydrated)	6055192	February 27, 1987
3-Amino-9-ethylcarbazole hydrochloride	6109973	July 1, 1989
Chlordimeform	6164983	January 1, 1989

Citrus Red No. 2	6358538	October 1, 1989
C.I. Acid Red 114	6459945	July 1, 1992
Estropipate	7280377	August 26, 1997
Cobalt metal powder	7440484	July 1, 1992
Lead phosphate	7446277	April 1, 1988
Selenium sulfide	7446346	October 1, 1989
6-Nitrochrysene	7496028	October 1, 1990
Potassium bromate	7758012	January 1, 1990
Toxaphene (Polychlorinated camphenes)	8001352	January 1, 1988
Mancozeb	8018017	January 1, 1990
Iron dextran complex	9004664	January 1, 1988
Metiram	9006422	January 1, 1990
Hydrazine sulfate	10034932	January 1, 1988
Sterigmatocystin	10048132	April 1, 1988
Stanozolol	10418038	May 1, 1997
Tamoxifen and its salts	10540291	September 1, 1996
N-Nitrosomethylethylamine	10595956	October 1, 1989
Nickel subsulfide	12035722	October 1, 1987
Zineb	12122677	January 1, 1990
Maneb	12427382	January 1, 1990
Erionite	12510428	October 1, 1988
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	13010474	January 1, 1988
N-Nitrososarcosine	13256229	January 1, 1988
Nickel carbonyl	13463393	October 1, 1987
4,4'-Methylenedianiline dihydrochloride	13552448	January 1, 1988
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1- nitrosourea (Methyl-CCNU)	13909096	October 1, 1988
Cycasin	14901087	January 1, 1988
Cisplatin	15663271	October 1, 1988
Alachlor	15972608	January 1, 1989
Direct Brown 95 (technical grade)	16071866	October 1, 1988
N-Nitrosonornicotine	16543558	January 1, 1988
Gyromitrin (Acetaldehyde methylformylhydrazone)	16568028	January 1, 1988
Nitrilotriacetic acid, trisodium salt monohydrate	18662538	April 1, 1989
Streptozotocin	18883664	January 1, 1988
Oxadiazon	19666309	July 1, 1991
p-Chloroaniline hydrochloride	20265967	May 15, 1998
3,3'-Dimethoxybenzidine dihydrochloride (ortho-Dianisidine dihydrochloride)	20325400	October 1, 1990
Daunomycin	20830813	January 1, 1988
Cytembena	21739913	May 15, 1998
3,9-Dinitrofluoranthene	22506532	August 26, 1997
Adriamycin (Doxorubicin hydrochloride)	23214928	July 1, 1987
Pronamide	23950585	May 1, 1996
Butylated hydroxyanisole	25013165	January 1, 1990
A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)	26148685	January 1, 1990
Toluene diisocyanate	26471625	October 1, 1989
C.I. Direct Blue 218	28407376	August 26, 1997
3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434868	January 1, 1988
Procymidone	32809168	October 1, 1994
Acetochlor	34256821	January 1, 1989
Hexachlorodibenzodioxin	34465468	April 1, 1988
Iprodione	36734197	May 1, 1996
2,4-Diaminoanisole sulfate	39156417	January 1, 1988
1,6-Dinitropyrene	42397648	October 1, 1990
1,8-Dinitropyrene	42397659	October 1, 1990
Polygeenan	53973981	January 1, 1988
Chlorozotocin	54749905	January 1, 1992

trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2- furyl)vinyl]-1,3,4-oxadiazole	55738540	January 1, 1988
4-Nitropyrene	57835924	October 1, 1990
Ciclosporin (Cyclosporin A; Cyclosporine)	59865133 79217600	January 1, 1992
3-(N-Nitrosomethylamino)propionitrile	60153493	April 1, 1990
Furmecyclox	60568050	January 1, 1990
Trp-P-1 (Tryptophan-P-1)	62450060	April 1, 1988
Trp-P-2 (Tryptophan-P-2)	62450071	April 1, 1988
Acifluorfen	62476599	January 1, 1990
4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone	64091914	April 1, 1990
Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)	67730103	January 1, 1990
Glu-P-1 (2-Amino-6-methyldipyrido[1,2- a:3',2'-d]imidazole)	67730114	January 1, 1990
Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)	68006837	January 1, 1990
Shale-oils	68308349	April 1, 1990
IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)	76180966	April 1, 1990
MeIQ(2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	77094112	October 1, 1994
MeIQx(2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)	77500040	October 1, 1994
Lactofen	77501634	January 1, 1989
Fusarin C	79748815	July 1, 1995
Ganciclovir sodium	82410320	August 26, 1997
PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine)	105650235	October 1, 1994
3,7-Dinitrofluoranthene	105735715	August 26, 1997
Chlorinated paraffins (Average chain length, C12; approximately 60 percent chlorine by weight)	108171262	July 1, 1989
Cidofovir	113852372	January 29, 1999

CHEMICALS KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY

Developmental toxicity

Aminoglycosides	---	October 1, 1992
Angiotensin converting enzyme (ACE) inhibitors	---	October 1, 1992
Arsenic (inorganic oxides)	---	May 1, 1997
Barbiturates	---	October 1, 1992
Benzodiazepines	---	October 1, 1992
Cadmium	---	May 1, 1997
Conjugated estrogens	---	April 1, 1990
Ethyl alcohol in alcoholic beverages	---	October 1, 1987
Histrelin acetate	---	May 15, 1998
Lead	---	February 27, 1987
Mercury and mercury compounds	---	July 1, 1990
Methyl mercury	---	July 1, 1987
Polybrominated biphenyls	---	October 1, 1994
Polychlorinated biphenyls	---	January 1, 1991
Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.)	---	July 1, 1989
Tetracyclines (internal use)	---	October 1, 1992
Tobacco smoke (primary)	---	April 1, 1988
Norethisterone (Norethindrone)/Mestranol	68224/72333	April 1, 1990
Norethisterone (Norethindrone)/Ethinyl estradiol	68224/57636	April 1, 1990
Cyclophosphamide (anhydrous)	50180	January 1, 1989
p,p'-DDT	50293	May 15, 1998
Thalidomide	50351	July 1, 1987

Cocaine	50362	July 1, 1989
Clomiphene citrate	50419	April 1, 1990
Actinomycin D	50760	October 1, 1992
Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.)	50782	July 1, 1990
Fluorouracil	51218	January 1, 1989
Propylthiouracil	51525	July 1, 1990
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1989
Urethane	51796	October 1, 1994
Norethisterone acetate (Norethindrone acetate)	51989	October 1, 1991
Codeine phosphate	52288	May 15, 1998
Penicillamine	52675	January 1, 1991
Haloperidol	52868	January 29, 1999
Nicotine	54115	April 1, 1990
Aminopterin	54626	July 1, 1987
Pipobroman	54911	July 1, 1990
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	July 1, 1990
1,4-Butanediol dimethylsulfonate (Busulfan)	55981	January 1, 1989
Diethylstilbestrol (DES)	56531	July 1, 1987
Pentobarbital sodium	57330	July 1, 1990
Diphenylhydantoin (Phenytoin)	57410	July 1, 1987
Meprobamate	57534	January 1, 1992
Pyrimethamine	58140	January 29, 1999
Methyltestosterone	58184	April 1, 1990
Testosterone cypionate	58208	October 1, 1991
Chlordiazepoxide	58253	January 1, 1992
Methotrexate	59052	January 1, 1989
Levodopa	59927	January 29, 1999
Tetracycline (internal use)	60548	October 1, 1991
Methimazole	60560	July 1, 1990
Phenacemide	63989	July 1, 1990
Demeclocycline hydrochloride (internal use)	64733	January 1, 1992
Tetracycline hydrochloride (internal use)	64755	January 1, 1991
Colchicine	64868	October 1, 1992
Uracil mustard	66751	January 1, 1992
Dicumarol	66762	October 1, 1992
Cycloheximide	66819	January 1, 1989
Norethisterone (Norethindrone)	68224	April 1, 1990
Benzene	71432	December 26, 1997
Medroxyprogesterone acetate	71589	April 1, 1990
Endrin	72208	May 15, 1998
Methyl bromide as a structural fumigant	74839	January 1, 1993
Carbon disulfide	75150	July 1, 1989
Fluoxymesterone	76437	April 1, 1990
Oxytetracycline (internal use)	79572	January 1, 1991
Warfarin	81812	July 1, 1987
Dinoseb	88857	January 1, 1989
Ethylene thiourea	96457	January 1, 1993
Dichlorophene	97234	April 27, 1999
Valproate (Valproic acid)	99661	July 1, 1987
Ethylene dibromide	106934	May 15, 1998
Toluene	108883	January 1, 1991
Ethylene glycol monomethyl ether	109864	January 1, 1989
Ethylene glycol monomethyl ether acetate	110496	January 1, 1993

Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monoethyl ether acetate	111159	January 1, 1993
Paramethadione	115673	July 1, 1990
Anisindione	117373	October 1, 1992
Hexachlorobenzene	118741	January 1, 1989
2,4-DP (dichloroprop)	120365	April 27, 1999
Aminoglutethimide	125848	July 1, 1990
Hydroxyurea	127071	May 1, 1997
Trimethadione	127480	January 1, 1991
Potassium dimethyldithiocarbamate	128030	March 30 1999
Sodium dimethyldithiocarbamate	128041	March 30 1999
Metham sodium	137428	May 15, 1998
Disodium cyanodithiomidocarbonate	138932	March 30, 1999
Nabam	142596	March 30, 1999
Chlordecone (Kepone)	143500	January 1, 1989
Vinblastine sulfate	143679	July 1, 1990
Butabarbital sodium	143817	October 1, 1992
Cytarabine	147944	January 1, 1989
Melphalan	148823	July 1, 1990
Halothane	151677	September 1, 1996
Thioguanine	154427	July 1, 1990
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1990
Carbamazepine	298464	January 29, 1999
All-trans retinoic acid	302794	January 1, 1989
Chlorambucil	305033	January 1, 1989
Secobarbital sodium	309433	October 1, 1992
Testosterone enanthate	315377	April 1, 1990
Linuron	330552	March 19, 1999
Procarbazine hydrochloride	366701	July 1, 1990
Ergotamine tartrate	379793	April 1, 1990
Oxymetholone	434071	May 1, 1997
Phenprocoumon	435972	October 1, 1992
Chlordiazepoxide hydrochloride	438415	January 1, 1992
Diazepam	439145	January 1, 1992
Azathioprine	446866	September 1, 1996
Chenodiol	474259	April 1, 1990
Ethionamide	536334	August 26, 1997
Acetohydroxamic acid	546883	April 1, 1990
Lithium carbonate	554132	January 1, 1991
Doxycycline (internal use)	564250	July 1, 1990
Megestrol acetate	595335	January 1, 1991
Oxazepam	604751	October 1, 1992
Carbon monoxide	630080	July 1, 1989
Ethyl dipropylthiocarbamate	759944	April 27, 1999
o,p'-DDT	789026	May 15, 1998
Lorazepam	846491	July 1, 1990
Temazepam	846504	April 1, 1990
Lithium citrate	919164	January 1, 1991
Cycloate	1134232	March 19, 1999
Flurazepam hydrochloride	1172185	October 1, 1992
Neomycin sulfate (internal use)	1405103	October 1, 1992
Chlorcyclizine hydrochloride	1620219	July 1, 1987
Bromoxynil	1689845	October 1, 1990
Bromoxynil octanoate	1689992	May 18, 1999
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	April 1, 1991
Nitrapyrin	1929824	March 30, 1999

Oxytetracycline hydrochloride (internal use)	2058460	October 1, 1991
Vincristine sulfate	2068782	July 1, 1990
Propargite	2312358	June 15, 1999
Chinomethionat (Oxythioquinox)	2439012	November 6, 1998
Flunisolide	3385033	May 15, 1998
Ifosfamide	3778732	July 1, 1990
Streptomycin sulfate	3810740	January 1, 1991
Methacycline hydrochloride	3963959	January 1, 1991
Cladribine	4291638	September 1, 1996
Dacarbazine	4342034	January 29, 1999
Isotretinoin	4759482	July 1, 1987
Benzphetamine hydrochloride	5411223	April 1, 1990
Beclomethasone dipropionate	5534098	May 15, 1998
Terbacil	5902512	May 18, 1999
Cyclophosphamide (hydrated)	6055192	January 1, 1989
Mercaptopurine	6112761	July 1, 1990
Dihydroergotamine mesylate	6190392	May 1, 1997
Norgestrel	6533002	April 1, 1990
Estropipate	7280377	August 26, 1997
Menotropins	9002680	April 1, 1990
Metiram	9006422	March 30, 1999
Iodine-131	10043660	January 1, 1989
Resmethrin	10453868	November 6, 1998
1-(2-Chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) (Lomustine)	13010474	July 1, 1990
Cyhexatin	13121705	January 1, 1989
Flutamide	13311847	July 1, 1990
Nickel carbonyl	13463393	September 1, 1996
Minocycline hydrochloride (internal use)	13614987	January 1, 1992
Trilostane	13647353	April 1, 1990
Amoxapine	14028445	May 15, 1998
Methotrexate sodium	15475566	April 1, 1990
Doxycycline monohydrate (internal use)	17086281	October 1, 1991
Danazol	17230885	April 1, 1990
Benomyl	17804352	July 1, 1991
Plicamycin	18378897	April 1, 1990
Oxadiazon	19666309	May 15, 1998
Amiodarone hydrochloride	19774824	August 26, 1997
Cyanazine	21725462	April 1, 1990
Nifedipine	21829254	January 29, 1999
Diflunisal	22494424	January 29, 1999
Halazepam	23092173	July 1, 1990
Doxorubicin hydrochloride	23214928	January 29, 1999
Daunorubicin hydrochloride	23541506	July 1, 1990
Doxycycline hyclate (internal use)	24390145	October 1, 1991
Clobetasol propionate	25122467	May 15, 1998
Urofollitropin	26995915	April 1, 1990
Triazolam	28911015	April 1, 1990
Alprazolam	28981977	July 1, 1990
Atenolol	29122687	August 26, 1997
Teniposide	29767202	September 1, 1996
Paclitaxel	33069624	August 26, 1997
Amitraz	33089611	March 30, 1999
Etoposide	33419420	July 1, 1990
Auranofin	34031328	January 29, 1999
Quazepam	36735225	August 26, 1997
Ribavirin	36791045	April 1, 1990

Sulindac	38194502	January 29, 1999
Dinocap	39300453	April 1, 1990
Amikacin sulfate	39831555	July 1, 1990
Carboplatin	41575944	July 1, 1990
Triadimefon	43121433	March 30, 1999
Tobramycin sulfate	49842071	July 1, 1990
Vinclozolin	50471448	May 15, 1998
Diclofop methyl	51338273	March 5, 1999
Bromacil lithium salt	53404196	May 18, 1999
Pentostatin	53910251	September 1, 1996
Etretinate	54350480	July 1, 1987
Tamoxifen citrate	54965241	July 1, 1990
Netilmicin sulfate	56391572	July 1, 1990
Clorazepate dipotassium	57109907	October 1, 1992
Misoprostol	59122462	April 1, 1990
Midazolam hydrochloride	59467968	July 1, 1990
Chlorsulfuron	64902723	May 14, 1999
Goserelin acetate	65807025	August 26, 1997
Fenoxaprop ethyl	66441234	March 26, 1999
Hydramethylnon ~~(Amdro)~~	67485294	March 5, 1999
Fluvalinate	69409945	November 6, 1998
Fluazifop butyl	69806504	November 6, 1998
Mitoxantrone hydrochloride	70476823	July 1, 1990
Leuprolide acetate	74381536	August 26, 1997
Lovastatin	75330755	October 1, 1992
Fluticasone propionate	80474142	May 15, 1998
Clarithromycin	81103119	May 1, 1997
Ganciclovir sodium	82410320	August 26, 1997
Trimetrexate glucuronate	82952645	August 26, 1997
Nafarelin acetate	86220420	April 1, 1990
Myclobutanil	88671890	April 16, 1999
Doxycycline calcium (internal use)	94088854	January 1, 1992
Cidofovir	113852372	January 29, 1999

<u>Female reproductive toxicity</u>

Anabolic steroids	---	April 1, 1990
Lead	---	February 27, 1987
Tobacco smoke (primary)	---	April 1, 1988
Cyclophosphamide (anhydrous)	50180	January 1, 1989
p,p'-DDT	50293	May 15, 1998
Cocaine	50362	July 1, 1989
Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.)	50782	July 1, 1990
Haloperidol	52868	January 29, 1999
Aminopterin	54626	July 1, 1987
Uracil mustard	66751	January 1, 1992
Carbon disulfide	75150	July 1, 1989
Ethylene oxide	75218	February 27, 1987
Oxydemeton methyl	301122	November 6, 1998
o,p'-DDT	789026	May 15, 1998
Levonorgestrel implants	797637	May 15, 1998
Flunisolide	3385033	May 15, 1998
Cyclophosphamide (hydrated)	6055192	January 1, 1989

Amiodarone hydrochloride	19774824	August 26, 1997
Nifedipine	21829254	January 29, 1999
Diflunisal	22494424	January 29, 1999
Thiophanate methyl	23564058	May 18, 1999
Clobetasol propionate	25122467	May 15, 1998
Paclitaxel	33069624	August 26, 1997
Sulindac	38194502	January 29, 1999
Triadimefon	43121433	March 30, 1999
Chlorsulfuron	64902723	May 14, 1999
Goserelin acetate	65807025	August 26, 1997
Leuprolide acetate	74381536	August 26, 1997
Cidofovir	113852372	January 29, 1999

Male reproductive toxicity

Anabolic steroids	---	April 1, 1990
Cadmium	---	May 1, 1997
Lead	---	February 27, 1987
Tobacco smoke (primary)	---	April 1, 1988
p-Dinitrobenzene	100254	July 1, 1990
Epichlorohydrin	106898	September 1, 1996
Ethylene dibromide	106934	May 15, 1998
Cyclohexanol	108930	November 6, 1998
Ethylene glycol monomethyl ether	109864	January 1, 1989
Ethylene glycol monomethyl ether acetate	110496	January 1, 1993
Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monoethyl ether acetate	111159	January 1, 1993
Cidofovir	113852372	January 29, 1999
Benomyl	17804352	July 1, 1991
Amiodarone hydrochloride	19774824	August 26, 1997
Nifedipine	21829254	January 29, 1999
Doxorubicin hydrochloride	23214928	January 29, 1999
Thiophanate methyl	23564058	May 18, 1999
Oxydemeton methyl	301122	November 6, 1998
Paclitaxel	33069624	August 26, 1997
Triadimefon	43121433	March 30, 1999
Cyclophosphamide (anhydrous)	50180	January 1, 1989
p,p'-DDT	50293	May 15, 1998
o-Dinitrobenzene	528290	July 1, 1990
Sulfasalazine	599791	January 29, 1999
Cyclophosphamide (hydrated)	6055192	January 1, 1989
Sodium fluoroacetate	62748	November 6, 1998
Colchicine	64868	October 1, 1992
Chlorsulfuron	64902723	May 14, 1999
Goserelin acetate	65807025	August 26, 1997
Uracil mustard	66751	January 1, 1992
Nitrofurantoin	67209	April 1, 1991
Hydramethylnon ~~(Amdro)~~	67485294	March 5, 1999
Hexamethylphosphoramide	680319	October 1, 1994
Benzene	71432	December 26, 1997
Leuprolide acetate	74381536	August 26, 1997
Carbon disulfide	75150	July 1, 1989
o,p'-DDT	789026	May 15, 1998
Ganciclovir sodium	82410320	August 26, 1997
Myclobutanil	88671890	April 16, 1999
Dinoseb	88857	January 1, 1989

1,2-Dibromo-3-chloropropane (DBCP)	96128	February 27, 1987
m-Dinitrobenzene	99650	July 1, 1990

Date: June 4, 1999