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
APRIL 16, 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
A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)	26148685	January 1, 1990
Acetaldehyde	75070	April 1, 1988
Acetamide	60355	January 1, 1990
Acetochlor	34256821	January 1, 1989
2-Acetylaminofluorene	53963	July 1, 1987
Acifluorfen	62476599	January 1, 1990
Acrylamide	79061	January 1, 1990
Acrylonitrile	107131	July 1, 1987
Actinomycin D	50760	October 1, 1989
Adriamycin (Doxorubicin hydrochloride)	23214928	July 1, 1987
AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	3688537	July 1, 1987
Aflatoxins	---	January 1, 1988
Alachlor	15972608	January 1, 1989
Alcoholic beverages, when associated with alcohol abuse	---	July 1, 1988
Aldrin	309002	July 1, 1988
Allyl chloride	107051	January 1, 1990
2-Aminoanthraquinone	117793	October 1, 1989
p-Aminoazobenzene	60093	January 1, 1990
ortho-Aminoazotoluene	97563	July 1, 1987
4-Aminobiphenyl (4-aminodiphenyl)	92671	February 27, 1987
1-Amino-2,4-dibromoanthraquinone	81492	August 26, 1997
3-Amino-9-ethylcarbazole hydrochloride	6109973	July 1, 1989
2-Aminofluorene	153786	January 29, 1999
1-Amino-2-methylanthraquinone	82280	October 1, 1989
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712685	July 1, 1987
4-Amino-2-nitrophenol	119346	January 29, 1999
Amitrole	61825	July 1, 1987
Analgesic mixtures containing phenacetin	---	February 27, 1987
Aniline	62533	January 1, 1990
Aniline hydrochloride	142041	May 15, 1998
ortho-Anisidine	90040	July 1, 1987
ortho-Anisidine hydrochloride	134292	July 1, 1987
Antimony oxide (Antimony trioxide)	1309644	October 1, 1990
Aramite	140578	July 1, 1987
Arsenic (inorganic arsenic compounds)	---	February 27, 1987
Asbestos	1332214	February 27, 1987
Auramine	492808	July 1, 1987
Azacitidine	320672	January 1, 1992
Azaserine	115026	July 1, 1987

Azathioprine	446866	February 27, 1987
Azobenzene	103333	January 1, 1990
Benz[a]anthracene	56553	July 1, 1987
Benzene	71432	February 27, 1987
Benzidine [and its salts]	92875	February 27, 1987
Benzidine-based dyes	---	October 1, 1992
Benzo[b]fluoranthene	205992	July 1, 1987
Benzo[j]fluoranthene	205823	July 1, 1987
Benzo[k]fluoranthene	207089	July 1, 1987
Benzofuran	271896	October 1, 1990
Benzo[a]pyrene	50328	July 1, 1987
Benzotrichloride	98077	July 1, 1987
Benzyl chloride	100447	January 1, 1990
Benzyl violet 4B	1694093	July 1, 1987
Beryllium and beryllium compounds	---	October 1, 1987
Betel quid with tobacco	---	January 1, 1990
2,2-Bis(bromomethyl)-1,3-propanediol	3296900	May 1, 1996
Bis(2-chloroethyl)ether	111444	April 1, 1988
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine)	494031	February 27, 1987
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1987
Bis(chloromethyl)ether	542881	February 27, 1987
Bitumens, extracts of steam-refined and air refined	---	January 1, 1990
Bracken fern	---	January 1, 1990
Bromodichloromethane	75274	January 1, 1990
Bromoform	75252	April 1, 1991
1,3-Butadiene	106990	April 1, 1988
1,4-Butanediol dimethanesulfonate (Busulfan)	55981	February 27, 1987
Butylated hydroxyanisole	25013165	January 1, 1990
beta-Butyrolactone	3068880	July 1, 1987
Cacodylic acid	75605	May 1, 1996
Cadmium and cadmium compounds	---	October 1, 1987
Caffeic acid	331395	October 1, 1994
Captafol	2425061	October 1, 1988
Captan	133062	January 1, 1990
Carbazole	86748	May 1, 1996
Carbon tetrachloride	56235	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
Chlorambucil	305033	February 27, 1987
Chloramphenicol	56757	October 1, 1989
Chlordane	57749	July 1, 1988
Chlordecone (Kepone)	143500	January 1, 1988
Chlordimeform	6164983	January 1, 1989
Chlorendic acid	115286	July 1, 1989
Chlorinated paraffins (Average chain length, C12; approximately 60 percent chlorine by weight)	108171262	July 1, 1989
p-Chloroaniline	106478	October 1, 1994
p-Chloroaniline hydrochloride	20265967	May 15, 1998
Chlorodibromomethane	124481	January 1, 1990
Chloroethane (Ethyl chloride)	75003	July 1, 1990
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	13010474	January 1, 1988
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1- nitrosourea (Methyl-CCNU)	13909096	October 1, 1988
Chloroform	67663	October 1, 1987

Chloromethyl methyl ether (technical grade)	107302	February 27, 1987
3-Chloro-2-methylpropene	563473	July 1, 1989
4-Chloro-ortho-phenylenediamine	95830	January 1, 1988
p-Chloro-o-toluidine	95692	January 1, 1990
p-Chloro-*o*-toluidine, strong acid salts of	---	May 15, 1998
5-Chloro-o-toluidine and its strong acid salts	---	October 24, 1997
Chlorothalonil	1897456	January 1, 1989
Chlorotrianisene	569573	September 1, 1996
Chlorozotocin	54749905	January 1, 1992
Chromium (hexavalent compounds)	---	February 27, 1987
Chrysene	218019	January 1, 1990
C.I. Acid Red 114	6459945	July 1, 1992
C.I. Basic Red 9 monohydrochloride	569619	July 1, 1989
C.I. Direct Blue 15	2429745	August 26, 1997
C.I. Direct Blue 218	28407376	August 26, 1997
C.I. Solvent Yellow 14	842079	May 15, 1998
Ciclosporin (Cyclosporin A; Cyclosporine)	59865133 79217600	January 1, 1992
Cidofovir	113852372	January 29, 1999
Cinnamyl anthranilate	87296	July 1, 1989
Cisplatin	15663271	October 1, 1988
Citrus Red No. 2	6358538	October 1, 1989
Clofibrate	637070	September 1, 1996
Cobalt metal powder	7440484	July 1, 1992
Cobalt [II] oxide	1307966	July 1, 1992
Coke oven emissions	---	February 27, 1987
Conjugated estrogens	---	February 27, 1987
Creosotes	---	October 1, 1988
para-Cresidine	120718	January 1, 1988
Cupferron	135206	January 1, 1988
Cycasin	14901087	January 1, 1988
Cyclophosphamide (anhydrous)	50180	February 27, 1987
Cyclophosphamide (hydrated)	6055192	February 27, 1987
Cytembena	21739913	May 15, 1998
D&C Orange No. 17	3468631	July 1, 1990
D&C Red No. 8	2092560	October 1, 1990
D&C Red No. 9	5160021	July 1, 1990
D&C Red No. 19	81889	July 1, 1990
Dacarbazine	4342034	January 1, 1988
Daminozide	1596845	January 1, 1990
Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)	117102	January 1, 1992
Daunomycin	20830813	January 1, 1988
DDD (Dichlorodiphenyldichloroethane)	72548	January 1, 1989
DDE (Dichlorodiphenyldichloroethylene)	72559	January 1, 1989
DDT (Dichlorodiphenyltrichloroethane)	50293	October 1, 1987
DDVP (Dichlorvos)	62737	January 1, 1989
N,N'-Diacetylbenzidine	613354	October 1, 1989
2,4-Diaminoanisole	615054	October 1, 1990
2,4-Diaminoanisole sulfate	39156417	January 1, 1988
4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)	101804	January 1, 1988
2,4-Diaminotoluene	95807	January 1, 1988
Diaminotoluene (mixed)	---	January 1, 1990
Dibenz[a,h]acridine	226368	January 1, 1988
Dibenz[a,j]acridine	224420	January 1, 1988
Dibenz[a,h]anthracene	53703	January 1, 1988

7H-Dibenzo[c,g]carbazole	194592	January 1, 1988
Dibenzo[a,e]pyrene	192654	January 1, 1988
Dibenzo[a,h]pyrene	189640	January 1, 1988
Dibenzo[a,i]pyrene	189559	January 1, 1988
Dibenzo[a,l]pyrene	191300	January 1, 1988
1,2-Dibromo-3-chloropropane (DBCP)	96128	July 1, 1987
2,3-Dibromo-1-propanol	96139	October 1, 1994
Dichloroacetic acid	79436	May 1, 1996
p-Dichlorobenzene	106467	January 1, 1989
3,3'-Dichlorobenzidine	91941	October 1, 1987
3,3′-Dichlorobenzidine dihydrochloride	612839	May 15, 1998
1,4-Dichloro-2-butene	764410	January 1, 1990
3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434868	January 1, 1988
1,1-Dichloroethane	75343	January 1, 1990
Dichloromethane (Methylene chloride)	75092	April 1, 1988
1,2-Dichloropropane	78875	January 1, 1990
1,3-Dichloropropene	542756	January 1, 1989
Dieldrin	60571	July 1, 1988
Dienestrol	84173	January 1, 1990
Diepoxybutane	1464535	January 1, 1988
Diesel engine exhaust	---	October 1, 1990
Di(2-ethylhexyl)phthalate	117817	January 1, 1988
1,2-Diethylhydrazine	1615801	January 1, 1988
Diethyl sulfate	64675	January 1, 1988
Diethylstilbestrol	56531	February 27, 1987
Diglycidyl resorcinol ether (DGRE)	101906	July 1, 1989
Dihydrosafrole	94586	January 1, 1988
Diisopropyl sulfate	2973106	April 1, 1993
3,3'-Dimethoxybenzidine (ortho-Dianisidine)	119904	January 1, 1988
3,3'-Dimethoxybenzidine dihydrochloride (ortho-Dianisidine dihydrochloride)	20325400	October 1, 1990
Dimethyl sulfate	77781	January 1, 1988
4-Dimethylaminoazobenzene	60117	January 1, 1988
trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2- furyl)vinyl]-1,3,4-oxadiazole	55738540	January 1, 1988
7,12-Dimethylbenz(a)anthracene	57976	January 1, 1990
3,3'-Dimethylbenzidine (ortho-Tolidine)	119937	January 1, 1988
3,3'-Dimethylbenzidine dihydrochloride	612828	April 1, 1992
Dimethylcarbamoyl chloride	79447	January 1, 1988
1,1-Dimethylhydrazine (UDMH)	57147	October 1, 1989
1,2-Dimethylhydrazine	540738	January 1, 1988
Dimethylvinylchloride	513371	July 1, 1989
3,7-Dinitrofluoranthene	105735715	August 26, 1997
3,9-Dinitrofluoranthene	22506532	August 26, 1997
1,6-Dinitropyrene	42397648	October 1, 1990
1,8-Dinitropyrene	42397659	October 1, 1990
Dinitrotoluene mixture, 2,4-/2,6-	---	May 1, 1996
2,4-Dinitrotoluene	121142	July 1, 1988
2,6-Dinitrotoluene	606202	July 1, 1995
Di-n-propyl isocinchomeronate (MGK Repellent 326)	136458	May 1, 1996
1,4-Dioxane	123911	January 1, 1988
Diphenylhydantoin (Phenytoin)	57410	January 1, 1988
Diphenylhydantoin (Phenytoin), sodium salt	630933	January 1, 1988
Direct Black 38 (technical grade)	1937377	January 1, 1988
Direct Blue 6 (technical grade)	2602462	January 1, 1988
Direct Brown 95 (technical grade)	16071866	October 1, 1988
Disperse Blue 1	2475458	October 1, 1990

Epichlorohydrin	106898	October 1, 1987
Erionite	12510428	October 1, 1988
Estradiol 17B	50282	January 1, 1988
Estrone	53167	January 1, 1988
Estropipate	7280377	August 26, 1997
Ethinylestradiol	57636	January 1, 1988
Ethyl acrylate	140885	July 1, 1989
Ethyl methanesulfonate	62500	January 1, 1988
Ethyl-4,4'-dichlorobenzilate	510156	January 1, 1990
Ethylene dibromide	106934	July 1, 1987
Ethylene dichloride (1,2-Dichloroethane)	107062	October 1, 1987
Ethylene oxide	75218	July 1, 1987
Ethylene thiourea	96457	January 1, 1988
Ethyleneimine	151564	January 1, 1988
Folpet	133073	January 1, 1989
Formaldehyde (gas)	50000	January 1, 1988
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	3570750	January 1, 1988
Furan	110009	October 1, 1993
Furazolidone	67458	January 1, 1990
Furmecyclox	60568050	January 1, 1990
Fusarin C	79748815	July 1, 1995
Ganciclovir sodium	82410320	August 26, 1997
Gasoline engine exhaust (condensates/extracts)	---	October 1, 1990
Glasswool fibers (airborne particles of respirable size)	---	July 1, 1990
Glu-P-1 (2-Amino-6-methyldipyrido[1,2- a:3',2'-d]imidazole)	67730114	January 1, 1990
Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)	67730103	January 1, 1990
Glycidaldehyde	765344	January 1, 1988
Glycidol	556525	July 1, 1990
Griseofulvin	126078	January 1, 1990
Gyromitrin (Acetaldehyde methylformylhydrazone)	16568028	January 1, 1988
HC Blue 1	2784943	July 1, 1989
Heptachlor	76448	July 1, 1988
Heptachlor epoxide	1024573	July 1, 1988
Hexachlorobenzene	118741	October 1, 1987
Hexachlorocyclohexane (technical grade)	---	October 1, 1987
Hexachlorodibenzodioxin	34465468	April 1, 1988
Hexachloroethane	67721	July 1, 1990
Hexamethylphosphoramide	680319	January 1, 1988
Hydrazine	302012	January 1, 1988
Hydrazine sulfate	10034932	January 1, 1988
Hydrazobenzene (1,2-Diphenylhydrazine)	122667	January 1, 1988
Indeno [1,2,3-cd]pyrene	193395	January 1, 1988
IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)	76180966	April 1, 1990
Iprodione	36734197	May 1, 1996
Iron dextran complex	9004664	January 1, 1988
Isobutyl nitrite	542563	May 1, 1996
Isoprene	78795	May 1, 1996
Isosafrole	120581	October 1, 1989
Lactofen	77501634	January 1, 1989
Lasiocarpine	303344	April 1, 1988

Lead acetate	301042	January 1, 1988
Lead and lead compounds	---	October 1, 1992
Lead phosphate	7446277	April 1, 1988
Lead subacetate	1335326	October 1, 1989
Lindane and other hexachlorocyclohexane isomers	---	October 1, 1989
Mancozeb	8018017	January 1, 1990
Maneb	12427382	January 1, 1990
Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)	68006837	January 1, 1990
Medroxyprogesterone acetate	71589	January 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
Melphalan	148823	February 27, 1987
Merphalan	531760	April 1, 1988
Mestranol	72333	April 1, 1988
Metham sodium	137428	November 6, 1998
8-Methoxypsoralen with ultraviolet A therapy	298817	February 27, 1987
5-Methoxypsoralen with ultraviolet A therapy	484208	October 1, 1988
2-Methylaziridine (Propyleneimine)	75558	January 1, 1988
Methylazoxymethanol	590965	April 1, 1988
Methylazoxymethanol acetate	592621	April 1, 1988
Methyl carbamate	598550	May 15, 1998
3-Methylcholanthrene	56495	January 1, 1990
5-Methylchrysene	3697243	April 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'-Methylene bis(2-methylaniline)	838880	April 1, 1988
4,4'-Methylenedianiline	101779	January 1, 1988
4,4'-Methylenedianiline dihydrochloride	13552448	January 1, 1988
Methylhydrazine and its salts	---	July 1, 1992
Methyl iodide	74884	April 1, 1988
Methylmercury compounds	---	May 1, 1996
Methyl methanesulfonate	66273	April 1, 1988
2-Methyl-1-nitroanthraquinone (of uncertain purity)	129157	April 1, 1988
N-Methyl-N'-nitro-N-nitrosoguanidine	70257	April 1, 1988
N-Methylolacrylamide	924425	July 1, 1990
Methylthiouracil	56042	October 1, 1989
Metiram	9006422	January 1, 1990
Metronidazole	443481	January 1, 1988
Michler's ketone	90948	January 1, 1988
Mirex	2385855	January 1, 1988
Mitomycin C	50077	April 1, 1988
Monocrotaline	315220	April 1, 1988
5-(Morpholinomethyl)-3-[(5-nitro-furfurylidene)- amino]-2-oxazolidinone	139913	April 1, 1988
Mustard Gas	505602	February 27, 1987
Nafenopin	3771195	April 1, 1988
Nalidixic acid	389082	May 15, 1998
1-Naphthylamine	134327	October 1, 1989
2-Naphthylamine	91598	February 27, 1987
Nickel and certain nickel compounds	---	October 1, 1989
Nickel carbonyl	13463393	October 1, 1987
Nickel refinery dust from the pyrometallurgical process	---	October 1, 1987
Nickel subsulfide	12035722	October 1, 1987
Niridazole	61574	April 1, 1988
Nitrilotriacetic acid	139139	January 1, 1988

Nitrilotriacetic acid, trisodium salt monohydrate	18662538	April 1, 1989
5-Nitroacenaphthene	602879	April 1, 1988
5-Nitro-o-anisidine	99592	October 1, 1989
o-Nitroanisole	91236	October 1, 1992
Nitrobenzene	98953	August 26, 1997
4-Nitrobiphenyl	92933	April 1, 1988
6-Nitrochrysene	7496028	October 1, 1990
Nitrofen (technical grade)	1836755	January 1, 1988
2-Nitrofluorene	607578	October 1, 1990
Nitrofurazone	59870	January 1, 1990
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555840	April 1, 1988
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531828	April 1, 1988
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1988
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	April 1, 1988
Nitrogen mustard N-oxide	126852	April 1, 1988
Nitrogen mustard N-oxide hydrochloride	302705	April 1, 1988
Nitromethane	75525	May 1, 1997
2-Nitropropane	79469	January 1, 1988
1-Nitropyrene	5522430	October 1, 1990
4-Nitropyrene	57835924	October 1, 1990
N-Nitrosodi-n-butylamine	924163	October 1, 1987
N-Nitrosodiethanolamine	1116547	January 1, 1988
N-Nitrosodiethylamine	55185	October 1, 1987
N-Nitrosodimethylamine	62759	October 1, 1987
p-Nitrosodiphenylamine	156105	January 1, 1988
N-Nitrosodiphenylamine	86306	April 1, 1988
N-Nitrosodi-n-propylamine	621647	January 1, 1988
N-Nitroso-N-ethylurea	759739	October 1, 1987
3-(N-Nitrosomethylamino)propionitrile	60153493	April 1, 1990
4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone	64091914	April 1, 1990
N-Nitrosomethylethylamine	10595956	October 1, 1989
N-Nitroso-N-methylurea	684935	October 1, 1987
N-Nitroso-N-methylurethane	615532	April 1, 1988
N-Nitrosomethylvinylamine	4549400	January 1, 1988
N-Nitrosomorpholine	59892	January 1, 1988
N-Nitrosonornicotine	16543558	January 1, 1988
N-Nitrosopiperidine	100754	January 1, 1988
N-Nitrosopyrrolidine	930552	October 1, 1987
N-Nitrososarcosine	13256229	January 1, 1988
o-Nitrotoluene	88722	May 15, 1998
Norethisterone (Norethindrone)	68224	October 1, 1989
Ochratoxin A	303479	July 1, 1990
Oil Orange SS	2646175	April 1, 1988
Oral contraceptives, combined	---	October 1, 1989
Oral contraceptives, sequential	---	October 1, 1989
Oxadiazon	19666309	July 1, 1991
Oxazepam	604751	October 1, 1994
Oxymetholone	434071	January 1, 1988
Panfuran S	794934	January 1, 1988
Pentachlorophenol	87865	January 1, 1990
Phenacetin	62442	October 1, 1989
Phenazopyridine	94780	January 1, 1988
Phenazopyridine hydrochloride	136403	January 1, 1988
Phenesterin	3546109	July 1, 1989

Phenobarbital	50066	January 1, 1990
Phenolphthalein	77098	May 15, 1998
Phenoxybenzamine	59961	April 1, 1988
Phenoxybenzamine hydrochloride	63923	April 1, 1988
o-Phenylenediamine and its salts	95545	May 15, 1998
Phenyl glycidyl ether	122601	October 1, 1990
Phenylhydrazine and its salts	---	July 1, 1992
o-Phenylphenate, sodium	132274	January 1, 1990
PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine)	105650235	October 1, 1994
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 dibenzo-p-dioxins	---	October 1, 1992
Polychlorinated dibenzofurans	---	October 1, 1992
Polygeenan	53973981	January 1, 1988
Ponceau MX	3761533	April 1, 1988
Ponceau 3R	3564098	April 1, 1988
Potassium bromate	7758012	January 1, 1990
Procarbazine	671169	January 1, 1988
Procarbazine hydrochloride	366701	January 1, 1988
Procymidone	32809168	October 1, 1994
Progesterone	57830	January 1, 1988
1,3-Propane sultone	1120714	January 1, 1988
Propargite	2312358	October 1, 1994
Pronamide	23950585	May 1, 1996
beta-Propiolactone	57578	January 1, 1988
Propylene oxide	75569	October 1, 1988
Propylthiouracil	51525	January 1, 1988
Quinoline and its strong acid salts	---	October 24, 1997
Radionuclides	---	July 1, 1989
Reserpine	50555	October 1, 1989
Residual (heavy) fuel oils	---	October 1, 1990
Saccharin	81072	October 1, 1989
Saccharin, sodium	128449	January 1, 1988
Safrole	94597	January 1, 1988
Salicylazosulfapyridine	599791	May 15, 1998
Selenium sulfide	7446346	October 1, 1989
Shale-oils	68308349	April 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
Spironolactone	52017	May 1, 1997
Stanozolol	10418038	May 1, 1997
Sterigmatocystin	10048132	April 1, 1988
Streptozotocin	18883664	January 1, 1988
Styrene oxide	96093	October 1, 1988
Sulfallate	95067	January 1, 1988
Talc containing asbestiform fibers	---	April 1, 1990
Tamoxifen and its salts	10540291	September 1, 1996
Terrazole	2593159	October 1, 1994
Testosterone and its esters	58220	April 1, 1988

2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	January 1, 1988
1,1,2,2-Tetrachloroethane	79345	July 1, 1990
Tetrachloroethylene (Perchloroethylene)	127184	April 1, 1988
p-a,a,a-Tetrachlorotoluene	5216251	January 1, 1990
Tetrafluoroethylene	116143	May 1, 1997
Tetranitromethane	509148	July 1, 1990
Thioacetamide	62555	January 1, 1988
4,4'-Thiodianiline	139651	April 1, 1988
Thiourea	62566	January 1, 1988
Thorium dioxide	1314201	February 27, 1987
Tobacco, oral use of smokeless products	---	April 1, 1988
Tobacco smoke	---	April 1, 1988
Toluene diisocyanate	26471625	October 1, 1989
ortho-Toluidine	95534	January 1, 1988
ortho-Toluidine hydrochloride	636215	January 1, 1988
para-Toluidine	106490	January 1, 1990
Toxaphene (Polychlorinated camphenes)	8001352	January 1, 1988
Treosulfan	299752	February 27, 1987
Trichlormethine (Trimustine hydrochloride)	817094	January 1, 1992
Trichloroethylene	79016	April 1, 1988
2,4,6-Trichlorophenol	88062	January 1, 1988
1,2,3-Trichloropropane	96184	October 1,1992
Trimethyl phosphate	512561	May 1, 1996
2,4,5-Trimethylaniline and its strong acid salts	---	October 24, 1997
Triphenyltin hydroxide	76879	July 1, 1992
Tris(aziridinyl)-para-benzoquinone (Triaziquone)	68768	October 1, 1989
Tris(1-aziridinyl)phosphine sulfide (Thiotepa)	52244	January 1, 1988
Tris(2-chloroethyl) phosphate	115968	April 1, 1992
Tris(2,3-dibromopropyl)phosphate	126727	January 1, 1988
Trp-P-1 (Tryptophan-P-1)	62450060	April 1, 1988
Trp-P-2 (Tryptophan-P-2)	62450071	April 1, 1988
Trypan blue (commercial grade)	72571	October 1, 1989
Unleaded gasoline (wholly vaporized)	---	April 1, 1988
Uracil mustard	66751	April 1, 1988
Urethane (Ethyl carbamate)	51796	January 1, 1988
Vinyl bromide	593602	October 1, 1988
Vinyl chloride	75014	February 27, 1987
4-Vinylcyclohexene	100403	May 1, 1996
4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide)	106876	July 1, 1990
Vinyl fluoride	75025	May 1, 1997
Vinyl trichloride (1,1,2-Trichloroethane)	79005	October 1, 1990
2,6- Xylidine (2,6-Dimethylaniline)	87627	January 1, 1991
Zineb	12122677	January 1, 1990

CHEMICALS KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY

Developmental toxicity

Acetohydroxamic acid	546883	April 1, 1990
Actinomycin D	50760	October 1, 1992
All-trans retinoic acid	302794	January 1, 1989
Alprazolam	28981977	July 1, 1990

Amikacin sulfate	39831555	July 1, 1990
Aminoglutethimide	125848	July 1, 1990
Aminoglycosides	---	October 1, 1992
Aminopterin	54626	July 1, 1987
Amiodarone hydrochloride	19774824	August 26, 1997
Amitraz	33089611	March 30, 1999
Amoxapine	14028445	May 15, 1998
Angiotensin converting enzyme (ACE) inhibitors	---	October 1, 1992
Anisindione	117373	October 1, 1992
Arsenic (inorganic oxides)	---	May 1, 1997
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
Atenolol	29122687	August 26, 1997
Auranofin	34031328	January 29, 1999
Azathioprine	446866	September 1, 1996
Barbiturates	---	October 1, 1992
Beclomethasone dipropionate	5534098	May 15, 1998
Benomyl	17804352	July 1, 1991
Benzene	71432	December 26, 1997
Benzphetamine hydrochloride	5411223	April 1, 1990
Benzodiazepines	---	October 1, 1992
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1990
Bromoxynil	1689845	October 1, 1990
Butabarbital sodium	143817	October 1, 1992
1,4-Butanediol dimethylsulfonate (Busulfan)	55981	January 1, 1989
Cadmium	---	May 1, 1997
Carbamazepine	298464	January 29, 1999
Carbon disulfide	75150	July 1, 1989
Carbon monoxide	630080	July 1, 1989
Carboplatin	41575944	July 1, 1990
Chenodiol	474259	April 1, 1990
Chinomethionat (Oxythioquinox)	2439012	November 6, 1998
Chlorambucil	305033	January 1, 1989
Chlorcyclizine hydrochloride	1620219	July 1, 1987
Chlordecone (Kepone)	143500	January 1, 1989
Chlordiazepoxide	58253	January 1, 1992
Chlordiazepoxide hydrochloride	438415	January 1, 1992
1-(2-Chloroethyl)-3-cyclohexyl-l-nitrosourea (CCNU) (Lomustine)	13010474	July 1, 1990
Cidofovir	113852372	January 29, 1999
Cladribine	4291638	September 1, 1996
Clarithromycin	81103119	May 1, 1997
Clobetasol propionate	25122467	May 15, 1998
Clomiphene citrate	50419	April 1, 1990
Clorazepate dipotassium	57109907	October 1, 1992
Cocaine	50362	July 1, 1989
Codeine phosphate	52288	May 15, 1998
Colchicine	64868	October 1, 1992
Conjugated estrogens	---	April 1, 1990
Cyanazine	21725462	April 1, 1990
Cycloate	1134232	March 19, 1999
Cycloheximide	66819	January 1, 1989
Cyclophosphamide (anhydrous)	50180	January 1, 1989

Cyclophosphamide (hydrated)	6055192	January 1, 1989
Cyhexatin	13121705	January 1, 1989
Cytarabine	147944	January 1, 1989
Dacarbazine	4342034	January 29, 1999
Danazol	17230885	April 1, 1990
Daunorubicin hydrochloride	23541506	July 1, 1990
o,p'-DDT	789026	May 15, 1998
p,p'-DDT	50293	May 15, 1998
2,4-DP (dichloroprop)	120365	April 27, 1999
Demeclocycline hydrochloride (internal use)	64733	January 1, 1992
Diazepam	439145	January 1, 1992
Dichlorophene	97234	April 27, 1999
Diclofop methyl	51338273	March 5, 1999
Dicumarol	66762	October 1, 1992
Diethylstilbestrol (DES)	56531	July 1, 1987
Diflunisal	22494424	January 29, 1999
Dihydroergotamine mesylate	6190392	May 1, 1997
Dinocap	39300453	April 1, 1990
Dinoseb	88857	January 1, 1989
Diphenylhydantoin (Phenytoin)	57410	July 1, 1987
Disodium cyanodithiomidocarbonate	138932	March 30, 1999
Doxorubicin hydrochloride	23214928	January 29, 1999
Doxycycline (internal use)	564250	July 1, 1990
Doxycycline calcium (internal use)	94088854	January 1, 1992
Doxycycline hyclate (internal use)	24390145	October 1, 1991
Doxycycline monohydrate (internal use)	17086281	October 1, 1991
Endrin	72208	May 15, 1998
Ergotamine tartrate	379793	April 1, 1990
Estropipate	7280377	August 26, 1997
Ethionamide	536334	August 26, 1997
Ethyl alcohol in alcoholic beverages	---	October 1, 1987
Ethyl dipropylthiocarbamate	759944	April 27, 1999
Ethylene dibromide	106934	May 15, 1998
Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monomethyl ether	109864	January 1, 1989
Ethylene glycol monoethyl ether acetate	111159	January 1, 1993
Ethylene glycol monomethyl ether acetate	110496	January 1, 1993
Ethylene thiourea	96457	January 1, 1993
Etoposide	33419420	July 1, 1990
Etretinate	54350480	July 1, 1987
Fenoxaprop ethyl	66441234	March 26, 1999
Fluazifop butyl	69806504	November 6, 1998
Flunisolide	3385033	May 15, 1998
Fluorouracil	51218	January 1, 1989
Fluoxymesterone	76437	April 1, 1990
Flurazepam hydrochloride	1172185	October 1, 1992
Flutamide	13311847	July 1, 1990
Fluticasone propionate	80474142	May 15, 1998
Fluvalinate	69409945	November 6, 1998
Ganciclovir sodium	82410320	August 26, 1997
Goserelin acetate	65807025	August 26, 1997

Halazepam	23092173	July 1, 1990
Haloperidol	52868	January 29, 1999
Halothane	151677	September 1, 1996
Hexachlorobenzene	118741	January 1, 1989
Histrelin acetate	---	May 15, 1998
Hydramethylnon (Amdro)	67485294	March 5, 1999
Hydroxyurea	127071	May 1, 1997
Ifosfamide	3778732	July 1, 1990
Iodine-131	10043660	January 1, 1989
Isotretinoin	4759482	July 1, 1987
Lead	---	February 27, 1987
Leuprolide acetate	74381536	August 26, 1997
Levodopa	59927	January 29, 1999
Linuron	330552	March 19, 1999
Lithium carbonate	554132	January 1, 1991
Lithium citrate	919164	January 1, 1991
Lorazepam	846491	July 1, 1990
Lovastatin	75330755	October 1, 1992
Medroxyprogesterone acetate	71589	April 1, 1990
Megestrol acetate	595335	January 1, 1991
Melphalan	148823	July 1, 1990
Menotropins	9002680	April 1, 1990
Meprobamate	57534	January 1, 1992
Mercaptopurine	6112761	July 1, 1990
Mercury and mercury compounds	---	July 1, 1990
Methacycline hydrochloride	3963959	January 1, 1991
Metham sodium	137428	May 15, 1998
Methimazole	60560	July 1, 1990
Methotrexate	59052	January 1, 1989
Methotrexate sodium	15475566	April 1, 1990
Methyl bromide as a structural fumigant	74839	January 1, 1993
Methyl mercury	---	July 1, 1987
Methyltestosterone	58184	April 1, 1990
Metiram	9006422	March 30, 1999
Midazolam hydrochloride	59467968	July 1, 1990
Minocycline hydrochloride (internal use)	13614987	January 1, 1992
Misoprostol	59122462	April 1, 1990
Mitoxantrone hydrochloride	70476823	July 1, 1990
Myclobutanil	88671890	April 16, 1999
Nabam	142596	March 30, 1999
Nafarelin acetate	86220420	April 1, 1990
Neomycin sulfate (internal use)	1405103	October 1, 1992
Netilmicin sulfate	56391572	July 1, 1990
Nickel carbonyl	13463393	September 1, 1996
Nicotine	54115	April 1, 1990
Nifedipine	21829254	January 29, 1999
Nitrapyrin	1929824	March 30, 1999
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1989
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	July 1, 1990
Norethisterone (Norethindrone)	68224	April 1, 1990
Norethisterone acetate (Norethindrone acetate)	51989	October 1, 1991
Norethisterone (Norethindrone)/Ethinyl estradiol	68224/57636	April 1, 1990

Norethisterone (Norethindrone)/Mestranol	68224/72333	April 1, 1990
Norgestrel	6533002	April 1, 1990
Oxadiazon	19666309	May 15, 1998
Oxazepam	604751	October 1, 1992
Oxymetholone	434071	May 1, 1997
Oxytetracycline (internal use)	79572	January 1, 1991
Oxytetracycline hydrochloride (internal use)	2058460	October 1, 1991
Paclitaxel	33069624	August 26, 1997
Paramethadione	115673	July 1, 1990
Penicillamine	52675	January 1, 1991
Pentobarbital sodium	57330	July 1, 1990
Pentostatin	53910251	September 1, 1996
Phenacemide	63989	July 1, 1990
Phenprocoumon	435972	October 1, 1992
Pipobroman	54911	July 1, 1990
Plicamycin	18378897	April 1, 1990
Polybrominated biphenyls	---	October 1, 1994
Polychlorinated biphenyls	---	January 1, 1991
Potassium dimethyldithiocarbamate	128030	March 30 1999
Procarbazine hydrochloride	366701	July 1, 1990
Propylthiouracil	51525	July 1, 1990
Pyrimethamine	58140	January 29, 1999
Quazepam	36735225	August 26, 1997
Resmethrin	10453868	November 6, 1998
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
Ribavirin	36791045	April 1, 1990
Secobarbital sodium	309433	October 1, 1992
Sodium dimethyldithiocarbamate	128041	March 30 1999
Streptomycin sulfate	3810740	January 1, 1991
Sulindac	38194502	January 29, 1999
Tamoxifen citrate	54965241	July 1, 1990
Temazepam	846504	April 1, 1990
Teniposide	29767202	September 1, 1996
Testosterone cypionate	58208	October 1, 1991
Testosterone enanthate	315377	April 1, 1990
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	April 1, 1991
Tetracycline (internal use)	60548	October 1, 1991
Tetracyclines (internal use)	---	October 1, 1992
Tetracycline hydrochloride (internal use)	64755	January 1, 1991
Thalidomide	50351	July 1, 1987
Thioguanine	154427	July 1, 1990
Tobacco smoke (primary)	---	April 1, 1988
Tobramycin sulfate	49842071	July 1, 1990
Toluene	108883	January 1, 1991
Triadimefon	43121433	March 30, 1999
Triazolam	28911015	April 1, 1990
Trilostane	13647353	April 1, 1990

Trimethadione	127480	January 1, 1991
Trimetrexate glucuronate	82952645	August 26, 1997
Uracil mustard	66751	January 1, 1992
Urethane	51796	October 1, 1994
Urofollitropin	26995915	April 1, 1990
Valproate (Valproic acid)	99661	July 1, 1987
Vinblastine sulfate	143679	July 1, 1990
Vinclozolin	50471448	May 15, 1998
Vincristine sulfate	2068782	July 1, 1990
Warfarin	81812	July 1, 1987

<u>Female reproductive toxicity</u>

Aminopterin	54626	July 1, 1987
Amiodarone hydrochloride	19774824	August 26, 1997
Anabolic steroids	---	April 1, 1990
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
Carbon disulfide	75150	July 1, 1989
Cidofovir	113852372	January 29, 1999
Clobetasol propionate	25122467	May 15, 1998
Cocaine	50362	July 1, 1989
Cyclophosphamide (anhydrous)	50180	January 1, 1989
Cyclophosphamide (hydrated)	6055192	January 1, 1989
o,p'-DDT	789026	May 15, 1998
p,p'-DDT	50293	May 15, 1998
Diflunisal	22494424	January 29, 1999
Ethylene oxide	75218	February 27, 1987
Flunisolide	3385033	May 15, 1998
Goserelin acetate	65807025	August 26, 1997
Haloperidol	52868	January 29, 1999
Lead	---	February 27, 1987
Leuprolide acetate	74381536	August 26, 1997
Levonorgestrel implants	797637	May 15, 1998
Nifedipine	21829254	January 29, 1999
Oxydemeton methyl	301122	November 6, 1998
Paclitaxel	33069624	August 26, 1997
Sulindac	38194502	January 29, 1999

Tobacco smoke (primary)	---	April 1, 1988
Triadimefon	43121433	March 30, 1999
Uracil mustard	66751	January 1, 1992
Male reproductive toxicity		
Amiodarone hydrochloride	19774824	August 26, 1997
Anabolic steroids	---	April 1, 1990
Benomyl	17804352	July 1, 1991
Benzene	71432	December 26, 1997
Cadmium	---	May 1, 1997
Carbon disulfide	75150	July 1, 1989
Cidofovir	113852372	January 29, 1999
Colchicine	64868	October 1, 1992
Cyclohexanol	108930	November 6, 1998
Cyclophosphamide (anhydrous)	50180	January 1, 1989
Cyclophosphamide (hydrated)	6055192	January 1, 1989
o,p'-DDT	789026	May 15, 1998
p,p'-DDT	50293	May 15, 1998
1,2-Dibromo-3-chloropropane (DBCP)	96128	February 27, 1987
m-Dinitrobenzene	99650	July 1, 1990
o-Dinitrobenzene	528290	July 1, 1990
p-Dinitrobenzene	100254	July 1, 1990
Dinoseb	88857	January 1, 1989
Doxorubicin hydrochloride	23214928	January 29, 1999
Epichlorohydrin	106898	September 1, 1996
Ethylene dibromide	106934	May 15, 1998
Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monomethyl ether	109864	January 1, 1989
Ethylene glycol monoethyl ether acetate	111159	January 1, 1993
Ethylene glycol monomethyl ether acetate	110496	January 1, 1993
Ganciclovir sodium	82410320	August 26, 1997
Goserelin acetate	65807025	August 26, 1997
Hexamethylphosphoramide	680319	October 1, 1994
Hydramethylnon (Amdro)	67485294	March 5, 1999
Lead	---	February 27, 1987
Leuprolide acetate	74381536	August 26, 1997
Myclobutanil	88671890	April 16, 1999
Nifedipine	21829254	January 29, 1999
Nitrofurantoin	67209	April 1, 1991
Oxydemeton methyl	301122	November 6, 1998
Paclitaxel	33069624	August 26, 1997
Sodium fluoroacetate	62748	November 6, 1998

Sulfasalazine	599791	January 29, 1999
Tobacco smoke (primary)	---	April 1, 1988
Triadimefon	43121433	March 30, 1999
Uracil mustard	66751	January 1, 1992

Date: April 16, 1999