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 July 29, 2016

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 or endpoints shown in strikeout were placed on the Proposition 65 list on the date noted, and have subsequently been removed.

Chemical	Type of Toxicity	CAS No.	Date Listed
A-alpha-C (2-Amino-9H-pyrido [2,3-b]indole)	cancer	26148-68-5	January 1, 1990
Abiraterone acetate	developmental, female, male	154229-18-2	April 8, 2016
Acetaldehyde	cancer	75-07-0	April 1, 1988
Acetamide	cancer	60-35-5	January 1, 1990
Acetazolamide	developmental	59-66-5	August 20, 1999
Acetochlor	cancer	34256-82-1	January 1, 1989
Acetohydroxamic acid	developmental	546-88-3	April 1, 1990
2-Acetylaminofluorene	cancer	53-96-3	July 1, 1987
Acifluorfen sodium	cancer	62476-59-9	January 1, 1990
Acrylamide	cancer	79-06-1	January 1, 1990
Acrylamide	developmental, male	79-06-1	February 25, 2011
Acrylonitrile	cancer	107-13-1	July 1, 1987
Actinomycin D	cancer	50-76-0	October 1, 1989
	developmental		October 1, 1992
AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)] acrylamide	cancer	3688-53-7	July 1, 1987
Aflatoxins	cancer		January 1, 1988
Alachlor	cancer	15972-60-8	January 1, 1989
Alcoholic beverages, when	cancer		July 1, 1988
associated with alcohol abuse			,
Aldrin	cancer	309-00-2	July 1, 1988
All-trans retinoic acid	developmental	302-79-4	January 1, 1989
Allyl-chloride	cancer	107-05-1	January 1, 1990
Delisted October 29, 1999			<i>3</i> ,
Aloe Vera, non-decolorized whole leaf extract	cancer		December 4, 2015
Alprazolam	developmental	28981-97-7	July 1, 1990
Altretamine	developmental, male	645-05-6	August 20, 1999
Amantadine hydrochloride	developmental	665-66-7	February 27, 2001
Amikacin sulfate	developmental	39831-55-5	1 1 4 4000
2-Aminoanthraquinone	cancer	117-79-3	October 1,1989
p-Aminoazobenzene	cancer	60-09-3	January 1, 1990 0
o-Aminoazotoluene	cancer	97-56-3	July 1, 1996 October 1, 1989 January 1, 1990 July 1, 1987
4-Aminobiphenyl (4-amino-	cancer	92-67-1	
1 7 (CIP IN TO LEST

diphenyl) 1-Amino-2,4-dibromo-	cancer	81-49-2	August 26, 1997
anthraquinone	Caricei	01-43-2	August 20, 1991
3-Amino-9-ethylcarbazole hydrochloride	cancer	6109-97-3	July 1, 1989
2-Aminofluorene	cancer	153-78-6	January 29, 1999
Aminoglutethimide	developmental	125-84-8	July 1, 1990
Aminoglycosides	developmental		October 1, 1992
1-Amino-2-methylanthraquinone	cancer	82-28-0	October 1, 1989
2-Amino-5-(5-nitro-2-furyl)-1,3,4-	cancer	712-68-5	July 1, 1987
thiadiazole		440.04.0	1
4-Amino-2-nitrophenol	cancer	119-34-6	January 29, 1999
Aminopterin Amiodarone hydrochloride	developmental, female developmental, female,	54-62-6 19774-82-4	July 1, 1987 August 26, 1997
Amilodarone nydrochionde	male	19774-02-4	August 20, 1997
Amitraz	developmental	33089-61-1	March 30, 1999
Amitrole	cancer	61-82-5	July 1, 1987
Amoxapine	developmental	14028-44-5	May 15, 1998
Amsacrine	cancer	51264-14-3	August 7, 2009
tert-Amyl methyl ether Delisted December 13, 2013	developmental	994-05-8	December 18, 2009
Anabolic steroids	female, male		April 1, 1990
Analgesic mixtures containing	cancer		February 27, 1987
phenacetin		00.05.0	M 0 0044
Androstenedione Angiotensin converting enzyme	cancer	63-05-8 	May 3, 2011 October 1, 1992
(ACE) inhibitors	developmental		October 1, 1992
Aniline	cancer	62-53-3	January 1, 1990
Aniline hydrochloride	cancer	142-04-1	May 15, 1998
o-Anisidine	cancer	90-04-0	July 1, 1987
o-Anisidine hydrochloride	cancer	134-29-2	July 1, 1987
Anisindione	developmental	117-37-3	October 1, 1992
Anthraquinone	cancer	84-65-1	September 28, 2007
Antimony oxide (Antimony trioxide)	cancer	1309-64-4	October 1, 1990
Aramite Areca nut	cancer	140-57-8	July 1, 1987
Aristolochic acids	cancer cancer		February 3, 2006 July 9, 2004
Arsenic (inorganic arsenic	cancer		February 27, 1987
compounds)	carroor		1 051daily 21, 1001
Arsenic (inorganic oxides)	developmental		May 1, 1997
Asbestos	cancer	1332-21-4	February 27, 1987
Aspirin (NOTE: It is especially	developmental, female	50-78-2	July 1, 1990
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.)			
Atenolol	developmental	29122-68-7	August 26, 1997
Atrazine	developmental, female	1912-24-9	July 15, 2016
Auramine	cancer	492-80-8	July 1, 1987
Auranofin	developmental	34031-32-8	January 29, 1999 P December 3, 2010
Avermectin B1 (Abamectin)	developmental	71751-41-2	December 3, 2010 6
Azacitidine	cancer	320-67-2	January 1, 1992
Azathioprina	cancer	115-02-6	July 1, 19870 (0)
Azathioprine	cancer	446-86-6	February 27, 4987
			C/, 'N', O' '\2

-2-

Azathioprine Azobenzene	developmental cancer	446-86-6 103-33-3	September 1, 1996 January 1, 1990
Barbiturates Beclomethasone dipropionate Benomyl Benthiavalicarb-isopropyl Benz[a]anthracene Benzene Benzene Benzidine [and its salts] Benzidine-based dyes Benzodiazepines Benzo[b]fluoranthene Benzo[j]fluoranthene Benzo[k]fluoranthene Benzofuran Benzophenone Benzofuran Benzophetamine hydrochloride Benzyl chloride Benzyl violet 4B Beryllium and beryllium compounds Betel quid with tobacco Betel quid without tobacco 2,2-Bis(bromomethyl)-1,3-	developmental developmental, male cancer cancer cancer developmental, male cancer cancer developmental cancer	5534-09-8 17804-35-2 177406-68-7 56-55-3 71-43-2 92-87-5 205-99-2 205-82-3 207-08-9 271-89-6 119-61-9 50-32-8 98-07-7 5411-22-3 100-44-7 1694-09-3 3296-90-0	October 1, 1992 May 15, 1998 July 1, 1991 July 1, 2008 July 1, 1987 February 27, 1987 December 26, 1997 February 27, 1987 October 1, 1992 October 1, 1992 July 1, 1987 July 1, 1987 July 1, 1987 October 1, 1990 June 22, 2012 July 1, 1987 April 1, 1987 April 1, 1990 January 1, 1990 July 1, 1987 October 1, 1987 October 1, 1987 January 1, 1990 February 3, 2006 May 1, 1996
propanediol Bis(2-chloroethyl)ether N,N-Bis(2-chloroethyl)-2-	cancer cancer	111-44-4 494-03-1	April 1, 1988 February 27, 1987
naphthylamine (Chlornapazine) Bischloroethyl nitrosourea (BCNU) (Carmustine)	cancer	154-93-8	July 1, 1987
Bischloroethyl nitrosourea (BCNU) (Carmustine)	developmental	154-93-8	July 1, 1990
Bis(chloromethyl)ether Bis(2-chloro-1-methylethyl)ether, technical grade	cancer cancer	542-88-1 	February 27, 1987 October 29, 1999
Bisphenol A (BPA) Bisphenol A (BPA) Delisted April 19, 2013	female developmental	80-05-7 80-05-7	May 11, 2015 April 11, 2013
Bitumens, extracts of steam-refined and air refined	cancer		January 1, 1990
Bracken fern Bromacil lithium salt Bromacil lithium salt Bromate Bromochloroacetic acid Bromodichloroacetic acid Bromodichloromethane Bromoethane Bromoform 1-Bromopropane (1-BP)	cancer developmental male cancer cancer cancer cancer cancer cancer cancer developmental, female, male	53404-19-6 53404-19-6 15541-45-4 5589-96-8 71133-14-7 75-27-4 74-96-4 75-25-2 106-94-5	January 1, 1990 May 18, 1999 January 17, 2003 May 31, 2002 April 6, 2010 July 29, 2016 January 1, 1990 December 22, 2000 April 1, 1991 December 7, 2004 May 31, 2005
2-Bromopropane (2-BP) Bromoxynil	female, male developmental	75-26-3 1689-84-5	May 31, 2005 , 000 October 1, 1990

-3-

Bromoxynil octanoate Butabarbital sodium	developmental developmental	1689-99-2 143-81-7	May 18, 1999 October 1, 1992
1,3-Butadiene 1,3-Butadiene	cancer developmental, female, male	106-99-0 106-99-0	April 1, 1988 April 16, 2004
1,4-Butanediol dimethanesulfonate (Busulfan)	cancer	55-98-1	February 27, 1987
1,4-Butanediol dimethanesulfonate (Busulfan)	developmental	55-98-1	January 1, 1989
Butylated hydroxyanisole	cancer	25013-16-5	January 1, 1990
Butyl benzyl phthalate (BBP)	developmental	85-68-7	December 2, 2005
n-Butyl glycidyl ether	male	2426-08-6	August 7, 2009
Delisted April 4, 2014 beta-Butyrolactone	cancer	3068-88-0	July 1, 1987
beta-butyrolactorie	cancei	3000-00-0	July 1, 1907
Cacodylic acid	cancer	75-60-5	May 1, 1996
Cadmium	developmental, male		May 1, 1997
Cadmium and cadmium compounds	cancer		October 1, 1987
Caffeic acid	cancer	331-39-5	October 1, 1994
Captafol	cancer	2425-06-1	October 1, 1988
Captan	cancer	133-06-2	January 1, 1990
Carbamazepine	developmental	298-46-4	January 29, 1999
Carbaryl Carbaryl	cancer developmental, female,	63-25-2 63-25-2	February 5, 2010 August 7, 2009
Carbaryi	male	03-23-2	August 7, 2009
Carbazole	cancer	86-74-8	May 1, 1996
Carbon black (airborne, unbound particles of respirable size)	cancer	1333-86-4	February 21, 2003
Carbon-black extracts	cancer		January 1, 1990
Carbon disulfide	developmental, female,	75-15-0	July 1, 1989
Carbon monoxide	male developmental	630-08-0	July 1, 1989
Carbon tetrachloride	cancer	56-23-5	October 1, 1987
Carboplatin	developmental	41575-94-4	July 1, 1990
N-Carboxymethyl-N-nitrosourea	cancer	60391-92-6	January 25, 2002
Catechol	cancer	120-80-9	July 15, 2003
Ceramic fibers (airborne particles	cancer		July 1, 1990
of respirable size) Certain combined chemotherapy	cancer		February 27, 1987
for lymphomas	cance		1 ebidary 21, 1901
Chenodiol	developmental	474-25-9	April 1, 1990
Chloral	cancer	75-87-6	September 13, 2013
Chloral hydrate	cancer	302-17-0	September 13, 2013
Chlorambucil	cancer	305-03-3	February 27, 1987
Chlorambucil Chloramphenicol	developmental	305-03-3 56-75-7	January 1, 1989 October 1, 1989
Delisted January 4, 2013	cancer	30-73-7	October 1, 1303
Chloramphenicol sodium succinate	cancer	982-57-0	September 27, 2013
Chlorcyclizine hydrochloride	developmental	1620-21-9	July 1, 1987
Chlordane	cancer	57-74-9	July 1, 1988
Chlordecone (Kepone)	cancer	143-50-0	January 1, 1988 January 1, 1989
Chlordecone (Kepone)	developmental	143-50-0 58-25-3	January 1, 1989
Chlordiazepoxide Chlordiazepoxide hydrochloride	developmental developmental	438-41-5	January 1, 1992
Chlordimeform	cancer	6164-98-3	January 1, 1992 January 1, 1992 January 1, 1989
			CIRS'NOW STORY
			U 17 . No x0

-4-

Chlorendic acid Chlorinated paraffins (Average	cancer cancer	115-28-6 108171-26-2	July 1, 1989 July 1, 1989
chain length, C12; approximately 60 percent chlorine by weight)			3 3 3 3 3 3 3 3 3 3
<i>p</i> -Chloroaniline	cancer	106-47-8	October 1, 1994
p-Chloroaniline hydrochloride	cancer	20265-96-7	May 15, 1998
Chlorodibromomethane	cancer	124-48-1	January 1, 1990
Delisted October 29, 1999		75 00 0	l. l. 4 4000
Chloroethane (Ethyl chloride)	cancer	75-00-3 13010-47-4	July 1, 1990
1-(2-Chloroethyl)-3-cyclohexyl- 1-nitrosourea (CCNU) (Lomustine)	cancer	13010-47-4	January 1, 1988
1-(2-Chloroethyl)-3-cyclohexyl-	developmental	13010-47-4	July 1, 1990
1-nitrosourea (CCNU) Lomustine)	actoropinomar	10010 11 1	cary 1, 1000
1-(2-Chloroethyl)-3-(4-methyl-	cancer	13909-09-6	October 1, 1988
cyclohexyl) -1-nitrosourea			
(Methyl-CCNU)			
Chloroform	cancer	67-66-3	October 1, 1987
Chloroform	developmental	67-66-3	August 7, 2009
Chloromethyl methyl ether	cancer	107-30-2	February 27, 1987
(technical grade) 3-Chloro-2-methylpropene	cancer	563-47-3	July 1, 1989
1-Chloro-4-nitrobenzene	cancer	100-00-5	October 29, 1999
4-Chloro-o-phenylenediamine	cancer	95-83-0	January 1, 1988
Chloroprene	cancer	126-99-8	June 2, 2000
2-Chloropropionic acid	male	598-78-7	August 7, 2009
Chlorothalonil	cancer	1897-45-6	January 1, 1989
<i>p</i> -Chloro- <i>o</i> -toluidine	cancer	95-69-2	January 1, 1990
<i>p</i> -Chloro- <i>o</i> -toluidine, strong acid	cancer		May 15, 1998
salts of 5-Chloro- <i>o</i> -toluidine and	concor		October 24, 1007
its strong acid salts	cancer		October 24, 1997
Chlorotrianisene	cancer	569-57-3	September 1, 1996
Chlorozotocin	cancer	54749-90-5	January 1, 1992
Chlorsulfuron	developmental, female,	64902-72-3	May 14, 1999
Delisted June 6, 2014	male		
Chromium (hexavalent compounds)	cancer		February 27, 1987
Chromium (hexavalent compounds)	developmental, female,		December 19, 2008
Chrysono	male	210 01 0	January 1, 1000
Chrysene C.I. Acid Red 114	cancer cancer	218-01-9 6459-94-5	January 1, 1990 July 1, 1992
C.I. Basic Red 9	cancer	569-61-9	July 1, 1989
monohydrochloride	0411001	000 01 0	dary 1, 1000
C.I. Direct Blue 15	cancer	2429-74-5	August 26, 1997
C.I. Direct Blue 218	cancer	28407-37-6	August 26, 1997
C.I. Disperse Yellow 3	cancer	2832-40-8	February 8, 2013
C.I. Solvent Yellow 14	cancer	842-07-9	May 15, 1998
Ciclosporin (Cyclosporin A;	cancer	59865-13-3	January 1, 1992
Cyclosporine)	cancer developmental	79217-60-0	January 20, 1000
Cidofovir	cancer, developmental, female, male	113852-37-2	January 29, 1999
Cinnamyl anthranilate	cancer	87-29-6	July 1, 1989
Cisplatin	cancer	15663-27-1	October 1, 1988
Citrus Red No. 2	cancer	6358-53-8	October 1 4989 🔥
Cladribine	developmental	4291-63-8	September 1, 1996
Clarithromycin	developmental	81103-11-9	September 1, 1996 of May 15, 1998
Clobetasol propionate	developmental, female	25122-46-7	May 15, 31988 30
Clofibrate	cancer	637-07-0	September 101996
			alt di a so

-5-

Clomiphene citrate Clomiphene citrate Clorazepate dipotassium CMNP (pyrazachlor) Cobalt metal powder Cobalt [II] oxide Cobalt sulfate Cobalt sulfate heptahydrate Cocaine Coconut oil diethanolamine condensate (cocamide	cancer developmental developmental cancer cancer cancer cancer cancer developmental, female cancer	50-41-9 50-41-9 57109-90-7 6814-58-0 7440-48-4 1307-96-6 10124-43-3 10026-24-1 50-36-2	May 24, 2013 April 1, 1990 October 1, 1992 August 25, 2015 July 1, 1992 July 1, 1992 May 20, 2005 June 2, 2000 July 1, 1989 June 22, 2012
diethanolamine) Codeine phosphate Coke oven emissions Colchicine Conjugated estrogens Conjugated estrogens Creosotes p-Cresidine Cumene Cupferron Cyanazine Cycasin Cycloate Cyclohexanol	developmental cancer developmental, male cancer developmental cancer cancer cancer cancer developmental cancer developmental cancer developmental male	52-28-8 64-86-8 120-71-8 98-82-8 135-20-6 21725-46-2 14901-08-7 1134-23-2 108-93-0	May 15, 1998 February 27, 1987 October 1, 1992 February 27, 1987 April 1, 1990 October 1, 1988 January 1, 1988 April 6, 2010 January 1, 1988 April 1, 1990 January 1, 1988 March 19, 1999 November 6, 1998
January 25, 2002 Cycloheximide Cyclopenta[cd]pyrene Cyclophosphamide (anhydrous) Cyclophosphamide (anhydrous) Cyclophosphamide (hydrated) Cyclophosphamide (hydrated)	developmental cancer cancer developmental, female, male cancer developmental, female, male	66-81-9 27208-37-3 50-18-0 50-18-0 6055-19-2 6055-19-2	January 1, 1989 April 29, 2011 February 27, 1987 January 1, 1989 February 27, 1987 January 1, 1989
Cyhexatin Cytarabine Cytembena	developmental developmental cancer	13121-70-5 147-94-4 21739-91-3	January 1, 1989 January 1, 1989 May 15, 1998
D&C Orange No. 17 D&C Red No. 8 D&C Red No. 9 D&C Red No. 19 Dacarbazine Dacarbazine Daminozide Danazol Dantron (Chrysazin; 1,8- Dihydroxyanthraquinone)	cancer cancer cancer cancer cancer cancer developmental cancer developmental cancer	3468-63-1 2092-56-0 5160-02-1 81-88-9 4342-03-4 4342-03-4 1596-84-5 17230-88-5 117-10-2	July 1, 1990 October 1, 1990 July 1, 1990 July 1, 1990 January 1, 1988 January 29, 1999 January 1, 1990 April 1, 1990 January 1, 1992
Daunomycin Daunorubicin hydrochloride 2,4-D butyric acid DDD (Dichlorodiphenyl- dichloroethane)	cancer developmental developmental , male cancer	20830-81-3 23541-50-6 94-82-6 72-54-8	January 1, 1988 July 1, 1990 June 18, 1999 January 1, 1989
DDE (Dichlorodi- phenyldichloroethylene) DDT (Dichlorodi-	cancer	72-55-9 50-29-3	June 18, 1999 January 1, 1989 January 1, 1989 October 1, 1989

-6-

nh any litriah lara ath an a)			
phenyltrichloroethane)	dovolopmental female	789-02-6	May 15, 1009
o,p'-DDT	developmental, female,	709-02-0	May 15, 1998
p,p'-DDT	male developmental, female,	50-29-3	May 15, 1998
p,p -001	male	30-29-3	May 13, 1990
DDVP (Dichlorvos)	cancer	62-73-7	January 1, 1989
Demeclocycline hydrochloride	developmental	64-73-3	January 1, 1992
(internal use)	developmental	0 1 -70-0	January 1, 1992
Des-ethyl atrazine (DEA)	developmental, female	6190-65-4	July 15, 2016
Des-isopropyl atrazine (DIA)	developmental, female	1007-28-9	July 15, 2016
N,N'-Diacetylbenzidine	cancer	613-35-4	October 1, 1989
2,4-Diaminoanisole	cancer	615-05-4	October 1, 1990
2,4-Diaminoanisole sulfate	cancer	39156-41-7	January 1, 1988
2,4-Diamino-6-chloro-s-triazine	developmental, female	3397-62-4	July 15, 2016
(DACT)	dovolopinomai, romaio	0001 02 1	odly 10, 2010
4,4'-Diaminodiphenyl ether	cancer	101-80-4	January 1, 1988
(4,4'-Oxydianiline)	carreer	101 00 1	candary 1, 1000
2,4-Diaminotoluene	cancer	95-80-7	January 1, 1988
Diaminotoluene (mixed)	cancer		January 1, 1990
Delisted November 20, 2015	Carroor		odridary 1, 1000
Diazepam	developmental	439-14-5	January 1, 1992
Diazoaminobenzene	cancer	136-35-6	May 20, 2005
Diazoxide	developmental	364-98-7	February 27, 2001
Dibenz[a,h]acridine	cancer	226-36-8	January 1, 1988
Dibenz[a,j]acridine	cancer	224-42-0	January 1, 1988
Dibenzanthracenes	cancer		December 26, 2014
Dibenz[a,c]anthracene	cancer	215-58-7	December 26, 2014
Dibenz[a,h]anthracene	cancer	53-70-3	January 1, 1988
Dibenz[a,j]anthracene	cancer	224-41-9	December 26, 2014
7H-Dibenzo[c,g]carbazole	cancer	194-59-2	January 1, 1988
Dibenzo[a,e]pyrene	cancer	192-65-4	January 1, 1988
Dibenzo[a,h]pyrene	cancer	189-64-0	January 1, 1988
Dibenzo[a,i]pyrene	cancer	189-55-9	January 1, 1988
Dibenzo[a,l]pyrene	cancer	191-30-0	January 1, 1988
Dibromoacetic acid	cancer	631-64-1	June 17, 2008
Dibromoacetonitrile	cancer	3252-43-5	May 3, 2011
1,2-Dibromo-3-chloropropane	cancer	96-12-8	Julý 1, 1987
(DBCP)			3 ,
1,2-Dibromo-3-chloropropane	male	96-12-8	February 27, 1987
(DBCP)			,
2,3-Dibromo-1-propanol	cancer	96-13-9	October 1, 1994
Dichloroacetic acid	cancer	79-43-6	May 1, 1996
Dichloroacetic acid	developmental, male	79-43-6	August 7, 2009
<i>p</i> -Dichlorobenzene	cancer	106-46-7	January 1, 1989
3,3'-Dichlorobenzidine	cancer	91-94-1	October 1, 1987
3,3'-Dichlorobenzidine	cancer	612-83-9	May 15, 1998
dihydrochloride			
1,1-Dichloro-2,2-bis(<i>p</i> -	developmental, male	72-55-9	March 30, 2010
chlorophenyl)ethylene (DDE)			
1,4-Dichloro-2-butene	cancer	764-41-0	January 1, 1990
3,3'-Dichloro-4,4'-diaminodiphenyl	cancer	28434-86-8	January 1, 1988
ether			
1,1-Dichloroethane	cancer	75-34-3	January 1, 4,990 🔑 🛴
Dichloromethane (Methylene	cancer	75-09-2	April 1, 1988
_chloride)			January 1, 4990 April 1, 1988 April 27, 4999 January 1, 1990
Dichlorophene	developmental	97-23-4	April 27 4989 0
1,2-Dichloropropane	cancer	78-87-5	January 1,990
			CIK, W. Co. Cost

-7-

1,3-Dichloro-2-propanol (1,3-DCP) 1,3-Dichloropropene Dichlorphenamide Diclofop-methyl Diclofop methyl Dicumarol Dieldrin Dienestrol Delisted January 4, 2013 Diepoxybutane Diesel engine exhaust Diethanolamine Di(2-ethylhexyl)phthalate (DEHP) Di(2-ethylhexyl)phthalate (DEHP) 1,2-Diethylhydrazine Diethylstilbestrol (DES)	cancer cancer developmental cancer developmental developmental cancer cancer cancer cancer cancer cancer developmental, male cancer cancer	96-23-1 542-75-6 120-97-8 51338-27-3 51338-27-3 66-76-2 60-57-1 84-17-3 1464-53-5 111-42-2 117-81-7 117-81-7 1615-80-1 56-53-1	October 8, 2010 January 1, 1989 February 27, 2001 April 6, 2010 March 5, 1999 October 1, 1992 July 1, 1988 January 1, 1990 January 1, 1988 October 1, 1990 June 22, 2012 January 1, 1988 October 24, 2003 January 1, 1988 February 27, 1987
Diethylstilbestrol (DES) Diethyl sulfate Diflunisal Diglycidyl ether Delisted April 4, 2014	developmental cancer developmental, female male	56-53-1 64-67-5 22494-42-4 2238-07-5	July 1, 1987 January 1, 1988 January 29, 1999 August 7, 2009
Diglycidyl resorcinol ether (DGRE) Di-n-hexyl phthalate (DnHP) Di-n-butyl phthalate (DBP)	cancer female, male developmental, female, male	101-90-6 84-75-3 84-74-2	July 1, 1989 December 2, 2005 December 2, 2005
Dihydroergotamine mesylate Dihydrosafrole Di-isodecyl phthalate (DIDP)	developmental cancer developmental	6190-39-2 94-58-6 68515-49-1/ 26761-40-0	May 1, 1997 January 1, 1988 April 20, 2007
Diisononyl phthalate (DINP) Diisopropyl sulfate Diltiazem hydrochloride 3,3'-Dimethoxybenzidine (o-Dianisidine)	cancer cancer developmental cancer	2973-10-6 33286-22-5 119-90-4	December 20, 2013 April 1, 1993 February 27, 2001 January 1, 1988
3,3'-Dimethoxybenzidine dihydrochloride	cancer	20325-40-0	October 1, 1990
3,3'-Dimethoxybenzidine-based dyes metabolized to 3,3'-dimethoxybenzidine	cancer		June 11, 2004
N,N-Dimethylacetamide 4-Dimethylaminoazobenzene trans-2-[(Dimethylamino)methyl- imino]-5-[2-(5-nitro-2-furyl)vinyl]- 1,3,4-oxadiazole	developmental, male cancer cancer	127-19-5 60-11-7 55738-54-0	May 21, 2010 January 1, 1988 January 1, 1988
7,12-Dimethylbenz(a)anthracene 3,3'-Dimethylbenzidine	cancer cancer	57-97-6 119-93-7	January 1, 1990 January 1, 1988
(ortho-Tolidine) 3,3'-Dimethylbenzidine-based dyes metabolized to 3,3'-	cancer		June 11, 2004
dimethylbenzidine 3,3'-Dimethylbenzidine dihydrochloride	cancer	612-82-8	April 1, 1992
Dimethylcarbamoyl chloride 1,1-Dimethylhydrazine (UDMH) 1,2-Dimethylhydrazine 2,6-Dimethyl-N-nitrosomorpholine	cancer cancer cancer cancer	79-44-7 57-14-7 540-73-8 1456-28-6	January 1, 1988 October 1, 1989 January 1, 1988 February 1, 1989
(DMNM) Dimethyl sulfate	cancer	77-78-1	January 1, 1989

-8-

N,N-Dimethyl-p-toluidine Dimethylvinylchloride m-Dinitrobenzene o-Dinitrobenzene p-Dinitrobenzene 3,7-Dinitrofluoranthene 3,9-Dinitrofluoranthene 1,3-Dinitropyrene 1,6-Dinitropyrene 1,8-Dinitropyrene Dinitrotoluene (technical grade) 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene Dinitrotoluene mixture, 2,4-/2,6-Dinocap Dinoseb Di-n-propyl isocinchomeronate (MGK Repellent 326) 1,4-Dioxane Diphenylhydantoin (Phenytoin) Diphenylhydantoin (Phenytoin) Diphenylhydantoin (Phenytoin) Diphenylhydantoin (Phenytoin) Diphenylhydantoin (Phenytoin) Dipsect Blue 6 (technical grade) Direct Blue 6 (technical grade) Direct Brown 95 (technical grade) Disodium cyanodithioimido- carbonate Disperse Blue 1 Diuron Doxorubicin hydrochloride (Adriamycin) Doxorubicin hydrochloride (Adriamycin) Doxycycline (internal use) Doxycycline calcium (internal use) Doxycycline calcium (internal use) Doxycycline monohydrate (internal use) 2,4-DP (dichloroprop) Delisted January 25, 2002	cancer cancer male male male male cancer cancer cancer cancer cancer female, male cancer male cancer male cancer developmental developmental cancer developmental cancer cancer developmental cancer developmental cancer developmental	99-97-8 513-37-1 99-65-0 528-29-0 100-25-4 105735-71-5 22506-53-2 75321-20-9 42397-64-8 42397-65-9 121-14-2 121-14-2 606-20-2 606-20-2 39300-45-3 88-85-7 136-45-8 123-91-1 57-41-0 57-41-0 630-93-3 1937-37-7 2602-46-2 16071-86-6 138-93-2 2475-45-8 330-54-1 25316-40-9 25316-40-9 564-25-0 94088-85-4 24390-14-5 17086-28-1	May 2, 2014 July 1, 1989 July 1, 1990 July 1, 1990 August 26, 1997 August 26, 1997 November 2, 2012 October 1, 1990 August 20, 1999 July 1, 1988 August 20, 1999 July 1, 1995 August 20, 1999 May 1, 1996 April 1, 1990 January 1, 1989 May 1, 1996 January 1, 1988 October 1, 1988 March 30, 1999 October 1, 1990 May 31, 2002 July 1, 1987 January 29, 1999 July 1, 1990 January 1, 1992 October 1, 1991 October 1, 1991 October 1, 1991 October 1, 1991
Emissions from combustion of coal Emissions from high-temperature	cancer cancer	 	August 7, 2013 January 3, 2014
unrefined rapeseed oil Endrin	developmental	72-20-8	May 15, 1998
Environmental tobacco smoke (ETS)	developmental		June 9, 2006
Epichlorohydrin Epichlorohydrin Epoxiconazole Ergotamine tartrate Erionite	cancer male cancer developmental cancer	106-89-8 106-89-8 135319-73-2 379-79-3 12510-42-8/ 66733-21-9	October 1, 1987 September 1, 1996 April 15, 2011 April 14, 1990 October 1, 1988

-9-

Estradiol 17B Estragole Estrogens, steroidal Estrogen-progestogen (combined) used as menopausal therapy	cancer cancer cancer cancer	50-28-2 140-67-0 	January 1, 1988 October 29, 1999 August 19, 2005 November 4, 2011
Estrone Estropipate Ethanol in alcoholic beverages Ethinylestradiol Ethionamide Ethoprop Ethyl acrylate Ethyl alcohol in alcoholic beverages Ethyl-tert-butyl ether	cancer cancer, developmental cancer cancer developmental cancer cancer developmental cancer developmental cancer male	53-16-7 7280-37-7 57-63-6 536-33-4 13194-48-4 140-88-5 100-41-4 637-92-3	January 1, 1988 August 26, 1997 April 29, 2011 January 1, 1988 August 26, 1997 February 27, 2001 July 1, 1989 October 1, 1987 June 11, 2004 December 18, 2009
Delisted December 13, 2013 Ethyl dipropylthiocarbamate Ethyl-4,4'-dichlorobenzilate Ethylene dibromide Ethylene dichloride (1,2-	developmental cancer cancer developmental, male cancer	759-94-4 510-15-6 106-93-4 106-93-4 107-06-2	April 27, 1999 January 1, 1990 July 1, 1987 May 15, 1998 October 1, 1987
Dichloroethane) Ethylene glycol (ingested) Ethylene glycol monoethyl ether Ethylene glycol monoethyl ether acetate	developmental developmental, male developmental, male	107-21-1 110-80-5 111-15-9	June 19, 2015 January 1, 1989 January 1, 1993
Ethylene glycol monomethyl ether Ethylene glycol monomethyl	developmental, male developmental, male	109-86-4 110-49-6	January 1, 1989 January 1, 1993
ether acetate Ethyleneimine (Aziridine) Ethylene oxide Ethylene oxide Ethylene oxide Ethylene thiourea Ethylene thiourea 2-Ethylhexanoic acid Delisted December 13, 2013	cancer cancer female developmental, male cancer developmental developmental	151-56-4 75-21-8 75-21-8 75-21-8 96-45-7 96-45-7 149-57-5	January 1, 1988 July 1, 1987 February 27, 1987 August 7, 2009 January 1, 1988 January 1, 1993 August 7, 2009
Ethyl methanesulfonate Etodolac Etoposide Etoposide Etoposide in combination with cisplatin and bleomycin	cancer developmental, female cancer developmental cancer	62-50-0 41340-25-4 33419-42-0 33419-42-0	January 1, 1988 August 20, 1999 November 4, 2011 July 1, 1990 November 4, 2011
Etretinate	developmental	54350-48-0	July 1, 1987
Fenoxaprop ethyl Fenoxycarb Filgrastim Fluazifop butyl Flunisolide Fluorouracil Fluoxymesterone Flurazepam hydrochloride Flurbiprofen Flutamide Fluticasone propionate	developmental cancer developmental developmental, female developmental developmental developmental developmental developmental developmental developmental developmental developmental	66441-23-4 72490-01-8 121181-53-1 69806-50-4 3385-03-3 51-21-8 76-43-7 1172-18-5 5104-49-4 13311-84-7 80474-14-2	March 26, 1999 June 2, 2000 February 27, 2001 November 6, 1998 May 15, 1998 January 1, 1989 April 1, 1990 October 1, 1992 August 20, 1999 July 1, 1998

-10-

Fluvalinate	developmental	69409-94-5	November 6, 1998
Folpet	cancer	133-07-3	January 1, 1989
Formaldehyde (gas)	cancer	50-00-0	January 1, 1988
2-(2-Formylhydrazino)-4-	cancer	3570-75-0	January 1, 1988
(5-nitro-2-furyl)thiazole		440055 00 0	Nevershar 44, 2002
Fumonisin B ₁	cancer	116355-83-0	November 14, 2003
Furan	cancer	110-00-9	October 1, 1993
Furmanialey	cancer	67-45-8	January 1, 1990
Furmecyclox Fusarin C	cancer	60568-05-0 79748-81-5	January 1, 1990 July 1, 1995
rusaiii C	cancer	79740-01-3	July 1, 1995
Gallium arsenide	cancer	1303-00-0	August 1, 2008
Ganciclovir	cancer, developmental,	82410-32-0	August 26, 1997
	male		
Ganciclovir sodium	developmental, male	107910-75-8	August 26, 1997
Gasoline engine exhaust	cancer		October 1, 1990
(condensates/extracts)			
Gemfibrozil	cancer	25812-30-0	December 22, 2000
Gemfibrozil	female, male	25812-30-0	August 20, 1999
Glass wool fibers	cancer		July 1, 1990
(inhalable and biopersistent)			
Glu-P-1 (2-Amino-6-methyldipyrido	cancer	67730-11-4	January 1, 1990
[1,2- a:3',2'-d]imidazole)		07700 40 0	Inn.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Glu-P-2 (2-Aminodipyrido	cancer	67730-10-3	January 1, 1990
[1,2-a:3',2'-d]imidazole)	oonoor	765 24 4	January 1, 1000
Glycidaldehyde	cancer	765-34-4	January 1, 1988
Glycidol	cancer	556-52-5	July 1, 1990 December 4, 2015
Goldenseal root powder Goserelin acetate	cancer developmental, female,	 65807-02-5	August 26, 1997
Goserelli acetate	male	03007-02-3	August 20, 1991
Griseofulvin	cancer	126-07-8	January 1, 1990
Gyromitrin (Acetaldehyde	cancer	16568-02-8	January 1, 1988
methylformylhydrazone)	oanoo.	10000 02 0	carracty 1, 1000
,,,,			
Halazepam	developmental	23092-17-3	July 1, 1990
Halobetasol propionate	developmental	66852-54-8	August 20, 1999
Haloperidol	developmental, female	52-86-8	January 29, 1999
Halothane	developmental	151-67-7	September 1, 1996
HC Blue 1	cancer	2784-94-3	July 1, 1989
Heptachlor	cancer	76-44-8	July 1, 1988
Heptachlor	developmental	76-44-8 1024-57-3	August 20, 1999
Heptachlor epoxide Herbal remedies containing	cancer	1024-37-3	July 1, 1988 July 9, 2004
plant species of the genus	cancer		July 9, 2004
Aristolochia			
Hexachlorobenzene	cancer	118-74-1	October 1, 1987
Hexachlorobenzene	developmental	118-74-1	January 1, 1989
Hexachlorobutadiene	cancer	87-68-3	May 3, 2011
Hexachlorocyclohexane	cancer		October 1, 1987
(technical grade)	carroor		
Hexachlorodibenzodioxin	cancer	34465-46-8	April 1, 1988 😚
Hexachloroethane	cancer	67-72-1	July 1, 1990
2,4-Hexadienal (89% trans, trans	cancer		March 4, 2005, 1200
isomer; 11% cis, trans isomer)			of 45,00,000
Hexafluoroacetone	developmental, male	684-16-2	April 1, 1988 July 1, 1990 March 4, 2005 (1)
			CIR M. O. Set

-11-

Hexamethylphosphoramide Hexamethylphosphoramide 2,5-Hexanedione Histrelin acetate Hydramethylnon Hydrazine Hydrazine sulfate Hydrazobenzene (1,2-Diphenylhydrazine) Hydrogen cyanide (HCN) and cyanide salts (CN salts) 1-Hydroxyanthraquinone	cancer male male developmental developmental, male cancer cancer cancer male cancer	680-31-9 680-31-9 110-13-4 67485-29-4 302-01-2 10034-93-2 122-66-7	January 1, 1988 October 1, 1994 December 4, 2015 May 15, 1998 March 5, 1999 January 1, 1988 January 1, 1988 January 1, 1988 July 5, 2013 May 27, 2005
Hydroxyurea	developmental	127-07-1	May 1, 1997
Idarubicin hydrochloride Ifosfamide Iodine-131 Imazalil Indeno[1,2,3-cd]pyrene Indium phosphide IQ (2-Amino-3-methylimidazo	developmental, male developmental developmental cancer cancer cancer cancer	57852-57-0 3778-73-2 10043-66-0 35554-44-0 193-39-5 22398-80-7 76180-96-6	August 20, 1999 July 1, 1990 January 1, 1989 May 20, 2011 January 1, 1988 February 27, 2001 April 1, 1990
[4,5-f] quinoline) Iprodione	cancer	36734-19-7	May 1, 1996
Iprovalicarb	cancer	140923-17-7 140923-25-7	June 1, 2007
Iron dextran complex Isobutyl nitrite Isoprene Isopyrazam Isosafrole Delisted December 8, 2006	cancer cancer cancer cancer cancer	9004-66-4 542-56-3 78-79-5 881685-58-1 120-58-1	January 1, 1988 May 1, 1996 May 1, 1996 July 24, 2012 October 1, 1989
Isotretinoin Isoxaflutole	developmental cancer	4759-48-2 141112-29-0	July 1, 1987 December 22, 2000
Kresoxim-methyl	cancer	143390-89-0	February 3, 2012
Lactofen Lasiocarpine Lead	cancer cancer developmental, female, male	77501-63-4 303-34-4 	January 1, 1989 April 1, 1988 February 27, 1987
Lead and lead compounds Lead acetate Lead phosphate Lead subacetate Leather dust Leuprolide acetate	cancer cancer cancer cancer cancer cancer developmental, female,	301-04-2 7446-27-7 1335-32-6 74381-53-6	October 1, 1992 January 1, 1988 April 1, 1988 October 1, 1989 April 29, 2011 August 26, 1997
Levodopa Levonorgestrel implants Lindane and other hexachloro- cyclohexane isomers	male developmental female cancer	59-92-7 797-63-7 	January 29, 1999 May 15, 1998 October 1, 1989
Linuron Lithium carbonate	developmental developmental	330-55-2 554-13-2	October 1, 1998 March 19, 1999 January 3, 1991

-12-

Lithium citrate Lorazepam Lovastatin Lynestrenol	developmental developmental developmental cancer	919-16-4 846-49-1 75330-75-5 52-76-6	January 1, 1991 July 1, 1990 October 1, 1992 February 27, 2001
Malathion Malonaldehyde, sodium salt Mancozeb Maneb Marijuana smoke Me-A-alpha-C (2-Amino-3-methyl-	cancer cancer cancer cancer cancer	121-75-5 24382-04-5 8018-01-7 12427-38-2 68006-83-7	May 20, 2016 May 3, 2011 January 1, 1990 January 1, 1990 June 19, 2009 January 1, 1990
9H-pyrido[2,3-b]indole) Mebendazole Medroxyprogesterone acetate Medroxyprogesterone acetate Megestrol acetate Megestrol acetate MelQ (2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	developmental cancer developmental cancer developmental cancer	31431-39-7 71-58-9 71-58-9 595-33-5 595-33-5 77094-11-2	August 20, 1999 January 1, 1990 April 1, 1990 March 28, 2014 January 1, 1991 October 1, 1994
MeIQx (2-Amino-3,8-dimethyl-	cancer	77500-04-0	October 1, 1994
imidazo[4,5-f]quinoxaline) Melphalan Melphalan Menotropins Mepanipyrim Meprobamate Mercaptopurine Mercury and mercury compounds Merphalan Mestranol Metam potassium Methacycline hydrochloride Metham sodium Metham sodium Methanol Methazole Methimazole Methotrexate Methotrexate sodium 5-Methoxypsoralen with	cancer developmental developmental cancer developmental developmental developmental cancer cancer developmental cancer developmental	148-82-3 148-82-3 9002-68-0 110235-47-7 57-53-4 6112-76-1 531-76-0 72-33-3 137-41-7 3963-95-9 137-42-8 137-42-8 67-56-1 20354-26-1 60-56-0 59-05-2 15475-56-6 484-20-8	February 27, 1987 July 1, 1990 April 1, 1990 July 1, 2008 January 1, 1992 July 1, 1990 July 1, 1990 April 1, 1988 April 1, 1988 December 31, 2010 January 1, 1991 November 6, 1998 May 15, 1998 March 16, 2012 December 1, 1999 July 1, 1990 January 1, 1989 April 1, 1990 October 1, 1988
ultraviolet A therapy 8-Methoxypsoralen with	cancer	298-81-7	February 27, 1987
ultraviolet A therapy 2-Methylaziridine (Propyleneimine) Methylazoxymethanol Methylazoxymethanol acetate Methyl bromide, as a structural	cancer cancer cancer developmental	75-55-8 590-96-5 592-62-1 74-83-9	January 1, 1988 April 1, 1988 April 1, 1988 January 1, 1993
fumigant Methyl carbamate Methyl chloride Methyl chloride 3-Methylcholanthrene 5-Methylchrysene 4,4'-Methylene bis(2-chloroaniline) 4,4'-Methylene bis(N,N-dimethyl) benzenamine	cancer developmental male cancer cancer cancer cancer	598-55-0 74-87-3 74-87-3 56-49-5 3697-24-3 101-14-4 101-61-1	May 15, 1998 March 10, 2000 August 7, 2009 January 1, 1990 April 1, 1988 July 1, 1989 October 3, 1989

4,4'-Methylene bis(2-methylaniline)	cancer	838-88-0	April 1, 1988
4,4'-Methylenedianiline	cancer	101-77-9	January 1, 1988
4,4'-Methylenedianiline	cancer	13552-44-8	January 1, 1988
dihydrochloride			
Methyleugenol	cancer	93-15-2	November 16, 2001
Methylhydrazine and its salts	cancer		July 1, 1992
2-Methylimidazole	cancer	693-98-1	June 22, 2012
4-Methylimidazole	cancer	822-36-6	January 7, 2011
Methyl iodide	cancer	74-88-4	April 1, 1988
Methyl isobutyl ketone	cancer	108-10-1	November 4, 2011
Methyl isobutyl ketone (MIBK)	developmental	108-10-1	March 28, 2014
Methyl isocyanate (MIC)	developmental, female	624-83-9	November 12, 2010
Methyl isopropyl ketone	developmental	563-80-4	February 17, 2012
Delisted April 4, 2014	dovolopinomai	000 00 1	1 0010017 11, 2012
Methyl mercury	developmental		July 1, 1987
Methylmercury compounds	cancer		May 1, 1996
Methyl methanesulfonate	cancer	66-27-3	April 1, 1988
	male	591-78-6	August 7, 2009
Methyl-n-butyl ketone		391-70-0	
2 Mathyl 1 nitroonthroquinana	developmental	120 15 7	December 4, 2015
2-Methyl-1-nitroanthraquinone	cancer	129-15-7	April 1, 1988
(of uncertain purity)		70.05.7	A m =: 1 4 4000
N-Methyl-N'-nitro-N-	cancer	70-25-7	April 1, 1988
nitrosoguanidine	00000	004 40 5	lulu 1 1000
N-Methylolacrylamide	cancer	924-42-5	July 1, 1990
N-Methylpyrrolidone	developmental	872-50-4	June 15, 2001
α-Methyl styrene (alpha-	cancer	98-83-9	November 2, 2012
Methylstyrene)	fomala	00.02.0	July 20, 2011
α-Methyl styrene	female	98-83-9	July 29, 2011
Delisted April 4, 2014	dovolopmontal	EO 10 1	April 1 1000
Methyltestosterone	developmental	58-18-4	April 1, 1990
Methylthiouracil	cancer	56-04-2	October 1, 1989
Metiram	cancer	9006-42-2	January 1, 1990
Metiram	developmental	9006-42-2	March 30, 1999
Metronidazole	cancer	443-48-1	January 1, 1988
Michler's ketone	cancer	90-94-8	January 1, 1988
Midazolam hydrochloride	developmental	59467-96-8	July 1, 1990
Minocycline hydrochloride	developmental	13614-98-7	January 1, 1992
(internal use)		0005 05 5	lanuam: 1, 1000
Mirex	cancer	2385-85-5	January 1, 1988
Misoprostol	developmental	59122-46-2	April 1, 1990
Mitomycin C	cancer	50-07-7	April 1, 1988
Mitoxantrone hydrochloride	cancer	70476-82-3	January 23, 2015
Mitoxantrone hydrochloride	developmental	70476-82-3	July 1, 1990
Molinate	developmental, female,	2212-67-1	December 11, 2009
	male		
MON 4660 (dichloroacetyl-1-	cancer	71526-07-3	March 22, 2011
oxa-4-azaspiro(4,5)-decane)			
MON 13900 (furilazole)	cancer	121776-33-8	March 22, 2011
3-Monochloropropane-1,2-	cancer	96-24-2	October 8, 2010
diol (3-MCPD)			
Monocrotaline	cancer	315-22-0	April 1, 1988
MOPP (vincristine-prednisone-	cancer	113803-47-7	November 4, 2011
nitrogen mustard-procarbazine			10° A
mixture)			etil of Allon
5-(Morpholinomethyl)-3-	cancer	139-91-3	April 15,4988 11 0
[(5-nitrofurfuryl-idene)-			Con 1600, 1600,
amino]-2-oxazolidinone			April 15,9988 77 7000
			CIKE IN CO. COST

-14-

Mustard Gas	cancer	505-60-2	February 27, 1987
MX (3-chloro-4-(dichloromethyl)	cancer	77439-76-0	December 22, 2000
5-hydroxy-2(5H)-furanone)	developmental mode	00074 00 0	A = =! 40 4000
Myclobutanil	developmental, male	88671-89-0	April 16, 1999
beta-Myrcene	cancer	123-35-3	March 27, 2015
Nabam	developmental	142-59-6	March 30, 1999
Nafarelin acetate	developmental	86220-42-0	April 1, 1990
Nafenopin	cancer	3771-19-5	April 1, 1988
Nalidixic acid	cancer	389-08-2	May 15, 1998
Naphthalene	cancer	91-20-3	April 19, 2002
1-Naphthylamine	cancer	134-32-7	October 1, 1989
2-Naphthylamine	cancer	91-59-8	February 27, 1987
Neomycin sulfate (internal use)	developmental	1405-10-3	October 1, 1992
Netilmicin sulfate	developmental	56391-57-2	July 1, 1990
Nickel (Metallic)	cancer	7440-02-0	October 1, 1989
Nickel acetate	cancer	373-02-4	October 1, 1989
Nickel carbonate	cancer	3333-67-3	October 1, 1989
Nickel carbonyl	cancer	13463-39-3	October 1, 1987
Nickel carbonyl	developmental	13463-39-3	September 1, 1996
Nickel compounds	cancer	40054 40 7	May 7, 2004
Nickel hydroxide	cancer	12054-48-7;	October 1, 1989
Niekalagana	00000	12125-56-3	Ostobor 1 1000
Nickelocene	cancer	1271-28-9	October 1, 1989
Nickel oxide Nickel refinery dust from the	cancer	1313-99-1	October 1, 1989 October 1, 1987
pyrometallurgical process	cancer		October 1, 1907
Nickel subsulfide	cancer	12035-72-2	October 1, 1987
Nicotine	developmental	54-11-5	April 1, 1990
Nifedipine	developmental, female,	21829-25-4	January 29, 1999
	male		Jan 1 a a a a a a a a a a a a a a a a a a
Nimodipine	developmental	66085-59-4	April 24, 2001
Niridazole	cancer	61-57-4	April 1, 1988
Nitrapyrin	cancer	1929-82-4	October 5, 2005
Nitrapyrin	developmental	1929-82-4	March 30, 1999
Nitrilotriacetic acid	cancer	139-13-9	January 1, 1988
Nitrilotriacetic acid, trisodium	cancer	18662-53-8	April 1, 1989
salt monohydrate		000 07 0	A '' 4 4000
5-Nitroacenaphthene	cancer	602-87-9	April 1, 1988
5-Nitro-o-anisidine	cancer	99-59-2	October 1, 1989
Delisted December 8, 2006	oonoor	91-23-6	October 1, 1992
o-Nitroanisole Nitrobenzene	cancer cancer	98-95-3	August 26, 1997
Nitrobenzene	male	98-95-3	March 30, 2010
4-Nitrobiphenyl	cancer	92-93-3	April 1, 1988
6-Nitrochrysene	cancer	7496-02-8	October 1, 1990
Nitrofen (technical grade)	cancer	1836-75-5	January 1, 1988
2-Nitrofluorene	cancer	607-57-8	October 1, 1990
Nitrofurantoin	male	67-20-9	April 1, 1991
Nitrofurazone	cancer	59-87-0	January 1, 1990
1-[(5-Nitrofurfurylidene)-amino]-	cancer	555-84-0	April 1, 1988
2-imidazolidinone			~ 1 ² ~
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]	cancer	531-82-8	April 1, 1988
acetamide			1/0, CO, 7/1, 16,
Nitrogen mustard	cancer	51-75-2	April 1, 1988
(Mechlorethamine)			SSN SUS . W *®?
			CIT N. O. OS

-15-

Nitrogen mustard	developmental	51-75-2	January 1, 1989
(Mechlorethamine) Nitrogen mustard hydrochloride	cancer	55-86-7	April 1, 1988
(Mechlorethamine hydrochloride)	caricer	33-00-7	April 1, 1900
Nitrogen mustard hydrochloride	developmental	55-86-7	July 1, 1990
(Mechlorethamine hydrochloride)		100.05.0	
Nitrogen mustard N-oxide	cancer	126-85-2	April 1, 1988
Nitrogen mustard N-oxide	cancer	302-70-5	April 1, 1988
hydrochloride Nitromethane	cancor	75-52-5	May 1, 1997
2-Nitropropane	cancer cancer	79-46-9	January 1, 1988
1-Nitropyrene	cancer	5522-43-0	October 1, 1990
4-Nitropyrene	cancer	57835-92-4	October 1, 1990
N-Nitrosodi- <i>n</i> -butylamine	cancer	924-16-3	October 1, 1987
N-Nitrosodiethanolamine	cancer	1116-54-7	January 1, 1988
N-Nitrosodiethylamine	cancer	55-18-5	October 1, 1987
N-Nitrosodimethylamine	cancer	62-75-9	October 1, 1987
<i>p</i> -Nitrosodiphenylamine	cancer	156-10-5	January 1, 1988
N-Nitrosodiphenylamine	cancer	86-30-6	April 1, 1988
N-Nitrosodi- <i>n</i> -propylamine	cancer	621-64-7	January 1, 1988
N-Nitroso-N-ethylurea	cancer	759-73-9	October 1, 1987
3-(N-Nitrosomethylamino)-	cancer	60153-49-3	April 1, 1990
propionitrile		0.4004.04.4	A :: 4 4000
4-(N-Nitrosomethylamino)-1-	cancer	64091-91-4	April 1, 1990
(3-pyridyl)1-butanone		7000 00 0	Dagarahar 20, 2014
N-Nitrosomethyl-n-butylamine	cancer	7068-83-9	December 26, 2014
N-Nitrosomethyl-n-decylamine	cancer	75881-22-0	December 26, 2014
N-Nitrosomethyl- <i>n</i> -dodecylamine	cancer	55090-44-3 10595-95-6	December 26, 2014 October 1, 1989
N-Nitrosomethylethylamine N-Nitrosomethyl- <i>n</i> -heptylamine	cancer cancer	16338-99-1	December 26, 2014
N-Nitrosomethyl- <i>n</i> -hexylamine	cancer	28538-70-7	December 26, 2014
N-Nitrosomethyl- <i>n</i> -nonylamine	cancer	75881-19-5	December 26, 2014
N-Nitrosomethyl- <i>n</i> -octylamine	cancer	34423-54-6	December 26, 2014
N-Nitrosomethyl- <i>n</i> -pentylamine	cancer	13256-07-0	December 26, 2014
N-Nitrosomethyl- <i>n</i> -propylamine	cancer	924-46-9	December 26, 2014
N-Nitrosomethyl- <i>n</i> -tetradecylamine	cancer	75881-20-8	December 26, 2014
N-Nitrosomethyl- <i>n</i> -undecylamine	cancer	68107-26-6	December 26, 2014
N-Nitroso-N-methylurea	cancer	684-93-5	October 1, 1987
N-Nitroso-N-methylurethane	cancer	615-53-2	April 1, 1988
N-Nitrosomethylvinylamine	cancer	4549-40-0	January 1, 1988
N-Nitrosomorpholine	cancer	59-89-2	January 1, 1988
N-Nitrosonornicotine	cancer	16543-55-8	January 1, 1988
N-Nitrosopiperidine	cancer	100-75-4	January 1, 1988
N-Nitrosopyrrolidine	cancer	930-55-2 13256-22-9	October 1, 1987
N-Nitrososarcosine o-Nitrotoluene	cancer cancer	88-72-2	January 1, 1988 May 15, 1998
Nitrous oxide	developmental, female	10024-97-2	August 1, 2008
Norethisterone (Norethindrone)	cancer	68-22-4	October 1, 1989
Norethisterone (Norethindrone)	developmental	68-22-4	April 1, 1990
Norethisterone acetate	developmental	51-98-9	October 1, 1991
(Norethindrone acetate)			,
Norethisterone (Norethindrone)	developmental	68-22-4/	April 1, 1990
/Ethinyl estradiol	-	57-63-6	0 40 ²⁵ 0
Norethisterone	developmental	68-22-4/	April 1, 1990
(Norethindrone)/Mestranol		72-33-3	- 1/0 0 1/ 10 10 10 10 10 10 10 10 10 10 10 10 10
Norethynodrel	cancer	68-23-5	February 27 2001
Norgestrel	developmental	6533-00-2	Agril 1,51,990 0
			clr N. C. S.

-16-

Ochratoxin A Oil Orange SS Oral contraceptives, combined Oral contraceptives, sequential Oryzalin Oxadiazon Oxadiazon Oxazepam Oxazepam p,p'-Oxybis(benzenesulfonyl hydrazide) Delisted December 13, 2013	cancer cancer cancer cancer cancer cancer cancer developmental cancer developmental developmental	303-47-9 2646-17-5 19044-88-3 19666-30-9 19666-30-9 604-75-1 604-75-1 80-51-3	July 1, 1990 April 1, 1988 October 1, 1989 October 1, 1989 September 12, 2008 July 1, 1991 May 15, 1998 October 1, 1994 October 1, 1992 August 7, 2009
Oxydemeton methyl	female, male	301-12-2	November 6, 1998
Oxymetholone	cancer	434-07-1	January 1, 1988
Oxymetholone Oxytetracycline (internal use)	developmental developmental	434-07-1 79-57-2	May 1, 1997 January 1, 1991
Oxytetracycline (internal dse) Oxytetracycline hydrochloride	developmental	2058-46-0	October 1, 1991
(internal use)			
Oxythioquinox (Chinomethionat)	cancer	2439-01-2	August 20, 1999
Oxythioquinox (Chinomethionat)	developmental	2439-01-2	November 6, 1998
Paclitaxel	developmental, female, male	33069-62-4	August 26, 1997
Palygorskite fibers (> 5μm in length)	cancer	12174-11-7	December 28, 1999
Panfuran S	cancer	794-93-4	January 1, 1988
Paramethadione	developmental	115-67-3	July 1, 1990
Parathion	cancer	56-38-2	May 20, 2016
Penicillamine Pentachlorophenol	developmental cancer	52-67-5 87-86-5	January 1, 1991 January 1, 1990
Pentobarbital sodium	developmental	57-33-0	July 1, 1990
Pentosan polysulfate sodium	cancer		April 18, 2014
Pentostatin	developmental	53910-25-1	September 1, 1996
Phenacemide	developmental	63-98-9	July 1, 1990 ´
Phenacetin	cancer	62-44-2	October 1, 1989
Phenazopyridine	cancer	94-78-0	January 1, 1988
Phenazopyridine hydrochloride	cancer	136-40-3	January 1, 1988
Phenesterin Phenobarbital	cancer	3546-10-9 50-06-6	July 1, 1989
Phenolphthalein	cancer cancer	77-09-8	January 1, 1990 May 15, 1998
Phenoxybenzamine	cancer	59-96-1	April 1, 1988
Phenoxybenzamine hydrochloride	cancer	63-92-3	April 1, 1988
Phenprocoumon	developmental	435-97-2	October 1, 1992
o-Phenylenediamine and its salts	cancer	95-54-5	May 15, 1998
Phenyl glycidyl ether	cancer	122-60-1	October 1, 1990
Phenyl glycidyl ether Delisted April 4, 2014	male	122-60-1	August 7, 2009
Phenylhydrazine and its salts	cancer		July 1, 1992
o-Phenylphenate, sodium	cancer	132-27-4	January 1, 1990
o-Phenylphenol	cancer	90-43-7	August 4, 2000
Phenylphosphine	developmental male	638-21-1	August 7, 2000
PhiP(2-Amino-1-methyl-6-	cancer	105650-23-5	August 7, 2009 October 1, 1994
phenylimidazol[4,5-b]pyridine)	dovolopes setal face als	0000 70 4	V 1 20: 4220 1/6 1
Pimozide Pioglitazone	developmental, female	2062-78-4 111025-46-8	August 7, 2009 October 1, 1994 August 20, 1999
i logiitazone	cancer	111025-40-0	18571 : (W, ZDF1-10) -

-17-

Pipobroman Pirimicarb Plicamycin Polybrominated biphenyls Polychlorinated biphenyls Polychlorinated biphenyls Polychlorinated biphenyls Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight)	developmental cancer developmental cancer developmental cancer developmental cancer developmental cancer	54-91-1 23103-98-2 18378-89-7 	July 1, 1990 July 1, 2008 April 1, 1990 January 1, 1988 October 1, 1994 October 1, 1989 January 1, 1991 January 1, 1988
Polychlorinated dibenzo-p-dioxins Polychlorinated dibenzofurans Polygeenan Ponceau MX Ponceau 3R Potassium bromate Potassium dimethyldithiocarbamate Pravastatin sodium Prednisolone sodium phosphate Primidone Procarbazine Procarbazine Procarbazine hydrochloride	cancer cancer cancer cancer cancer cancer cancer developmental developmental developmental cancer cancer cancer	53973-98-1 3761-53-3 3564-09-8 7758-01-2 128-03-0 81131-70-6 125-02-0 125-33-7 671-16-9 366-70-1	October 1, 1992 October 1, 1992 January 1, 1988 April 1, 1988 April 1, 1988 January 1, 1990 March 30 1999 March 3, 2000 August 20, 1999 January 1, 1988 January 1, 1988 January 1, 1988
Procymidone Progesterone Pronamide Propachlor 1,3-Propane sultone Propargite Propargite Propazine beta-Propiolactone Propoxur Propylene glycol mono-t-butyl ether Propylene oxide Propylthiouracil Propylthiouracil Pulegone Pymetrozine Pyridine Pyrimethamine	developmental cancer cancer cancer cancer cancer cancer developmental developmental, female cancer developmental cancer cancer developmental cancer cancer developmental	32809-16-8 57-83-0 23950-58-5 1918-16-7 1120-71-4 2312-35-8 2312-35-8 139-40-2 57-57-8 114-26-1 57018-52-7 75-56-9 51-52-5 51-52-5 89-82-7 123312-89-0 110-86-1 58-14-0	July 1, 1990 October 1, 1994 January 1, 1988 May 1, 1996 February 27, 2001 January 1, 1988 October 1, 1994 June 15, 1999 July 15, 2016 January 1, 1988 August 11, 2006 June 11, 2004 October 1, 1988 January 1, 1988 January 1, 1988 January 1, 1988 July 1, 1990 April 18, 2014 March 22, 2011 May 17, 2002 January 29, 1999
Quazepam Quinoline and its strong acid salts Quizalofop-ethyl	developmental cancer male	36735-22-5 76578-14-8	August 26, 1997 October 24, 1997 December 24, 1999
Radionuclides Reserpine Residual (heavy) fuel oils Resmethrin Resmethrin Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are	cancer cancer cancer cancer developmental developmental	50-55-5 10453-86-8 10453-86-8 	July 1, 1989 October 1, 1989 October 1, 1990 July 1, 2008 November 6, 1998 July 1, 1989

-18-

required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.) Ribavirin Ribavirin Riddelliine Rifampin	developmental male cancer developmental, female	36791-04-5 36791-04-5 23246-96-0 13292-46-1	April 1, 1990 February 27, 2001 December 3, 2004 February 27, 2001
Saccharin Delisted April 6, 2001 Saccharin, sodium Delisted January 17, 2003	cancer cancer	81-07-2 128-44-9	October 1, 1989 January 1, 1988
Safrole Salted fish, Chinese-style Secobarbital sodium Sedaxane Selenium sulfide Sermorelin acetate Shale-oils Silica, crystalline (airborne particles of respirable size)	cancer cancer developmental cancer cancer developmental cancer cancer cancer	94-59-7 309-43-3 874967-67-6 7446-34-6 68308-34-9	January 1, 1988 April 29, 2011 October 1, 1992 July 1, 2016 October 1, 1989 August 20, 1999 April 1, 1990 October 1, 1988
Simazine Sodium dimethyldithiocarbamate Sodium fluoroacetate Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils)	developmental, female developmental male cancer	122-34-9 128-04-1 62-74-8 	July 15, 2016 March 30 1999 November 6, 1998 February 27, 1987
Spirodiclofen Spironolactone Stanozolol Sterigmatocystin Streptomycin sulfate Streptozocin (streptozotocin)	cancer cancer cancer cancer developmental developmental, female, male	148477-71-8 52-01-7 10418-03-8 10048-13-2 3810-74-0 18883-66-4	October 8, 2010 May 1, 1997 May 1, 1997 April 1, 1988 January 1, 1991 August 20, 1999
Streptozotocin (streptozocin) Strong inorganic acid mists containing sulfuric acid	cancer	18883-66-4 	January 1, 1988 March 14, 2003
Styrene Styrene oxide Sulfallate Sulfasalazine (Salicylazosulfapyridine)	cancer cancer cancer cancer	100-42-5 96-09-3 95-06-7 599-79-1	April 22, 2016 October 1, 1988 January 1, 1988 May 15, 1998
Sulfasalazine (Salicylazosulfapyridine) Sulfur dioxide	male developmental	599-79-1 7446-09-5	January 29, 1999 July 29, 2011
Sulindac	developmental, female	38194-50-2	January 29, 1999
Talc containing asbestiform fibers Tamoxifen and its salts Tamoxifen citrate Temazepam Teniposide Terbacil Teriparatide	cancer cancer developmental developmental developmental developmental cancer	10540-29-1 54965-24-1 846-50-4 29767-20-2 5902-51-2 52232-67-4	April 1, 1990 September 1, 1996 July 1, 1996 April 1, 1990 September 1, 1996 May 18, 1999 August 14, 2019

-19-

Terrazole Testosterone and its esters	cancer cancer	2593-15-9 58-22-0	October 1, 1994 April 1, 1988
Testosterone cypionate	developmental	58-20-8	October 1, 1991
Testosterone enanthate	developmental	315-37-7	April 1, 1990
3,3',4,4'-Tetrachloroazobenzene	cancer	14047-09-7	July 24, 2012
2,3,7,8-Tetrachlorodibenzo-p-	cancer	1746-01-6	January 1, 1988
dioxin_(TCDD)			
2,3,7,8-Tetrachlorodibenzo-p- dioxin (TCDD)	developmental	1746-01-6	April 1, 1991
1,1,1,2-Tetrachloroethane	cancer	630-20-6	September 13, 2013
1,1,2,2-Tetrachloroethane	cancer	79-34-5	July 1, 1990
Tetrachloroethylene	cancer	127-18-4	April 1, 1988
(Perchloroethylene)			
p-a,a,a-Tetrachlorotoluene	cancer	5216-25-1	January 1, 1990
Tetrachlorvinphos	cancer	22248-79-9	May 20, 2016
Tetracycline (internal use)	developmental	60-54-8	October 1, 1991
Tetracyclines (internal use)	developmental		October 1, 1992
Tetracycline hydrochloride	developmental	64-75-5	January 1, 1991
(internal use)	•		• •
Tètrafluoroethylene	cancer	116-14-3	May 1, 1997
Tetranitromethane	cancer	509-14-8	July 1, 1990
Thalidomide	developmental	50-35-1	July 1, 1987
Thioacetamide	cancer	62-55-5	January 1, 1988
4,4'-Thiodianiline	cancer	139-65-1	April 1, 1988
Thiodicarb	cancer	59669-26-0	August 20, 1999
Thioguanine	developmental	154-42-7	July 1, 1990
Thiogadillic Thiophanate methyl	female, male	23564-05-8	May 18, 1999
Thiographic metry	cancer	141-90-2	June 11, 2004
Thiourea	cancer	62-56-6	January 1, 1988
Thorium dioxide		1314-20-1	February 27, 1987
	cancer		
Titanium dioxide (airborne,	cancer		September 2, 2011
unbound particles of			
respirable size)	00000		A m wil 4 4000
Tobacco, oral use of	cancer		April 1, 1988
smokeless products			A 11 4 4 4 0 0 0
Tobacco smoke	cancer		April 1, 1988
Tobacco smoke (primary)	developmental, female,		April 1, 1988
Till and a Mark	male	40040.07.4	1 1 4 4000
Tobramycin sulfate	developmental	49842-07-1	July 1, 1990
Toluene	developmental	108-88-3	January 1, 1991
-	female	108-88-3	August 7, 2009
Toluene diisocyanate	cancer	26471-62-5	October 1, 1989
o-Toluidine	cancer	95-53-4	January 1, 1988
o-Toluidine hydrochloride	cancer	636-21-5	January 1, 1988
para-Toluidine	cancer	106-49-0	January 1, 1990
Delisted October 29, 1999			
Topiramate	developmental	97240-79-4	November 27, 2015
Toxaphene (Polychlorinated	cancer	8001-35-2	January 1, 1988
_ camphenes)			
Toxins derived from Fusarium	cancer		August 7, 2009
Moniliforme (Fusarium			
verticillioides)			
Treosulfan	cancer	299-75-2	February 23 1987 🔑 🚬
Triadimefon	developmental, female,	43121-43-3	March 30 1999 7 7 7
	male [']		March 30, 1999 April 18, 2014 April 1, 1990
Triamterene	cancer	396-01-0	April/18,28044 ,000
Triazolam	developmental	28911-01-5	Abril 151990 0
	•		CRE NO. OF SELECTION
			() 12 . Vo *()

-20-

S,S,S-Tributyl phosphorotrithioate	cancer	78-48-8	February 25, 2011
(Tribufos, DEF) Tributyltin methacrylate Trichlormethine (Trimustine	developmental cancer	2155-70-6 817-09-4	December 1, 1999 January 1, 1992
hydrochloride) Trichloroacetic acid Trichloroethylene Trichloroethylene 2,4,6-Trichlorophenol 1,2,3-Trichloropropane Trientine hydrochloride Triforine 1,3,5-Triglycidyl-s-triazinetrione	cancer cancer developmental, male cancer cancer developmental developmental male	76-03-9 79-01-6 79-01-6 88-06-2 96-18-4 38260-01-4 26644-46-2 2451-62-9	September 13, 2013 April 1, 1988 January 31, 2014 January 1, 1988 October 1,1992 February 27, 2001 June 18, 1999 August 7, 2009
Delisted December 13, 2013 Trilostane Trimethadione 2,4,5-Trimethylaniline and its strong acid salts	developmental developmental cancer	13647-35-3 127-48-0 	April 1, 1990 January 1, 1991 October 24, 1997
Trimethyl phosphate Trimetrexate glucuronate 2,4,6-Trinitrotoluene (TNT) Triphenyltin hydroxide Triphenyltin hydroxide Tris(aziridinyl)-p-benzoquinone (Triaziquone)	cancer developmental cancer cancer developmental cancer	512-56-1 82952-64-5 118-96-7 76-87-9 76-87-9 68-76-8	May 1, 1996 August 26, 1997 December 19, 2008 July 1, 1992 March 18, 2002 October 1, 1989
<u>Delisted December 8, 2006</u> Tris(1-aziridinyl)phosphine	cancer	52-24-4	January 1, 1988
sulfide (Thiotepa) Tris(2-chloroethyl) phosphate Tris(2,3-dibromopropyl)phosphate Tris(1,3-dichloro-2-propyl)	cancer cancer cancer	115-96-8 126-72-7 13674-87-8	April 1, 1992 January 1, 1988 October 28, 2011
phosphate (TDCPP) Trp-P-1 (Tryptophan-P-1) Trp-P-2 (Tryptophan-P-2) Trypan blue (commercial grade)	cancer cancer cancer	62450-06-0 62450-07-1 72-57-1	April 1, 1988 April 1, 1988 October 1, 1989
Unleaded gasoline (wholly	cancer		April 1, 1988
vaporized) Uracil mustard	cancer developmental, female, male	66-75-1	April 1, 1988 January 1, 1992
Urethane (Ethyl carbamate)	cancer developmental	51-79-6	January 1, 1988 October 1, 1994
Urofollitropin	developmental	97048-13-0	April 1, 1990
Valproate (Valproic acid) Vanadium pentoxide (orthorhombic crystalline form)	developmental cancer	99-66-1 1314-62-1	July 1, 1987 February 11, 2005
Vinblastine sulfate Vinclozolin	developmental cancer	143-67-9 50471-44-8	July 1, 1990 August 20, 1999
Vincristine sulfate Vinyl bromide Vinyl chloride	developmental developmental cancer cancer	2068-78-2 593-60-2 75-01-4	May 15, 1998 July 1, 1990 October 1, 1988 February 27, 1987
			162, 10, . Let

-21-

4-Vinylcyclohexene 4-Vinyl-cyclohexene 4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexene dioxide)	cancer	100-40-3	May 1, 1996
	female, male	100-40-3	August 7, 2009
	cancer	106-87-6	July 1, 1990
Vinyl cyclohexene dioxide (4-Vinyl-1-cyclohexene diepoxide)	female, male	106-87-6	August 1, 2008
Vinyl fluoride Vinyl trichloride (1,1,2- Trichloroethane)	cancer	75-02-5	May 1, 1997
	cancer	79-00-5	October 1, 1990
Warfarin	developmental	81-81-2	July 1, 1987
Wood dust	cancer		December 18, 2009
2,6-Xylidine (2,6-Dimethylaniline)	cancer	87-62-7	January 1, 1991
Zalcitabine Zidovudine (AZT) Zileuton Zineb Delisted October 29, 1999	cancer cancer cancer, developmental, female	7481-89-2 30516-87-1 111406-87-2	August 7, 2009 December 18, 2009 December 22, 2000

Date: July 29, 2016