

Management Status Report  
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Public Distribution

Chemicals studied by the National Toxicology Program are selected mainly on the basis of human exposure, production levels, chemical structure, and available toxicologic data. Selection of a chemical for a study does not imply that the chemical is hazardous or a potential carcinogen in laboratory animals; likewise, a chemical not selected for toxicologic study by the Program should not be taken to mean that the chemical is not potentially hazardous or potentially carcinogenic in laboratory rodents. Compounds are listed by a common or generic name; if this is not available, the chemical name is used. For additional information, send requests to: Central Data Management (CDM) (TELEPHONE: 919-541-3419; FAX: (301) 480-3210; Mail Drop K2-05, NIEHS, P. O. BOX 12233, Research Triangle Park, NC USA 27709; EMAIL: CDM@NIEHS.NIH.GOV) .

The abstracts for all published long-term NTP technical reports are available in Volume 101, Supplement 1 of ENVIRONMENTAL HEALTH PERSPECTIVES (EHP) (1993). Abstracts as well as full versions of NTP toxicology and carcinogenesis studies and short-term toxicity studies are available in electronic format on the National Toxicology Program World Wide Web (WWW) site. Viewing this information requires access to the Internet and a software client such as Netscape or Internet Explorer. The World Wide Web server is located at NIEHS; the link to access the NTP World Wide Web Homepage is <http://ntp.niehs.nih.gov/>. The link to NTP testing information and study results, including abstracts, is [/go/test](http://ntp.niehs.nih.gov/go/test)

Printed copies of many Technical Reports on NTP toxicology and carcinogenesis studies and short-term toxicity studies are available from Central Data Management (CDM) (TELEPHONE: 919-541-3419; FAX: (301) 480-3210; Mail Drop K2-05, NIEHS, P. O. BOX 12233, Research Triangle Park, NC USA 27709; EMAIL: CDM@NIEHS.NIH.GOV) .

If you have further questions about electronic access or to request a copy of EHP, VOL. 101, contact Central Data Management (CDM) (TELEPHONE: 919-541-3419; FAX: (301) 480-3210; Mail Drop K2-05, NIEHS, P. O. BOX 12233, Research Triangle Park, NC USA 27709; EMAIL: CDM@NIEHS.NIH.GOV) .

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Long-term studies = more than 1 year

Short-term studies = 1 year or less

Abbreviations used in this report:

CODE	Route of Administration	CODE	Route of Administration
AQUAT	Aquatic	IV	Intravenous
CAPS	Per os (Capsule)	IVAG	Intravaginal
DERMAL	Dermal	IVOR	IV Injection and Oral
FEED	Dosed-Feed	MICRO	Microencapsulation in Feed
GAV	Gavage	MULTI	Multiple Routes
GAV/ WATER	Gavage & Dosed-Water	N/A	Not Applicable
GV/WB	Gavage, Whole Body Exposure	OTHER	Other
IC/IJ	IC Injection	SC&GV	Subcutaneous Injection and Gavage
ID/CN	Intraductal Cannulation	SC/IJ	Subcutaneous Injection
IM	Intramuscular	SP	Topical Application
INHAL	Inhalation	UD	Not Currently Entered
IP/IJ	Intraperitoneal Injection	UTERO	In Utero
IP/OT	IP Inj/Orotracheal	WATER	Dosed-Water
IT	Intratracheal	WB	Whole Body Exposure

Note: Dermal, skin application and skin paint are synonymous. Different terms were used at different times.

CODE	Primary Use Category	CODE	Primary Use Category
ADHS	Adhesives, Glues, and Tape	METL	Metals or Metal Products
CMOT	Chemotherapeutic Agents	MINL	Minerals and Natural Fibers
COMT	Contaminates and/or Impurities	MLTR	Military or Policing Purposes
COSM	Cosmetics, Perfumes, Fragrances, Hair Preparations, Skin Lotions	N/S	Naturally Occurring and Synthetic Substances
DIET	Dietary/Herbal Supplement	NANO	Nanoscale materials (substances where at least one critical dimension < 100 nm)
DTRG	Detergents and Cleansers	NATL	Naturally Occurring Substances
DYE	Dyes, Inks, and Pigments	NSUL	Insulation or Insulation Products
ELEC	Electrical and/or Dielectric Systems or Products	OCCH	Occupational Hazards
ENVH	Environmental (Air/Water) Pollutants	PAPR	Paper or Paper Products
FDPK	Food-packaging Products	PEST	Pesticides
FEED	Animal Feed or Feed Products	PHAR	Pharmaceuticals or Intermediates
FERT	Fertilizers	PHOT	Photography or Related Purposes
FLAM	Flame Retardants	PLAS	Plastics
FOOD	Food, Beverages, or Additives	PNT	Paint Ingredient
FUEL	Fuel or Oil Products	REAG	Laboratory Reagent
FUME	Fumigants	RUBR	Rubber Chemical
FUNG	Fungicides	SOLV	Vehicles and Solvents
GERM	Germicides, Disinfectants, Antiseptics	SYN	Synthetic
GLAS	Glass, Ceramic and/or Pottery Products	TBCO	Tobacco and Tobacco Products
HERB	Herbicides	TEXL	Manufacture of Textiles
IND	Industrial Uses	WATR	Water and/or Sewage Treatment
INTR	Chemical Intermediate or Catalyst	WOOD	Wood Industry
LABC	Unspecified Chemical Uses Not Fitting Into SOLV, INTR, or REAG Categories		
CODE	Species: Strain	CODE	Species: Strain
C	Chicks	H	Hamsters
D	Dog	M	Mice
DL	Drosophila	MO	Monkey
F	Fish	R	Rats
FR	Frog	RA	Rabbit
GP	Guinea Pigs	RM	Rats/Mice
NA	Chicks:Not Available	* ML	Mice:Tg.Lac1/C57BL/6 (Big Blue)
NA	Dog:Not Available	MM	Mice:BALB/cByJ
O3	Dog:Beagles	* MN	Mice:Tg.AC (FVB/N) Homozygous
NA	Drosophila:Not Available	MO	Mice:CB6F1
F1	Fish:Medaka (Oryzias latipes)	* MP	Mice:C57BL/6-APC+/APC-1638N (Tg:APC)

CODE	Species: Strain	CODE	Species: Strain
F2	Fish:Guppy (Poecilia reticulata)	* MQ	Mice:P16(Ink4a)/(+/-) (C57BL/6)
F3	Fish:Zebra (Danio rerio)	MR	Mice:129S1/SvImJ
NA	Fish:Not Available	* MS	Mice:P53 +/- (FVB/N)
NA	Frog:Not Available	MT	Mice:SKH-1 Hairless
NA	Guinea Pigs:Not Available	* MU	Mice:TRAMP (C57BL/6 PB-TAG TRANSGENE)
O6	Guinea Pigs:Hartley	MV	Mice:B6C3F1/NCTR BR (C57BL/6N x C3H/HEN MTV-)
H1	Hamsters:Syrian Golden	MW	Mice:BALB/c
NA	Hamsters:Not Available	* MX	Mice:AM3 (C57BL/6)
129B6TRP53	Mice:Female 129S1.SvlmJ crossed to B6.129- Trp53<tmlBrd> males homozygous for the Trp53 null allele	MY	Mice:CD-1 Reg.[Cr1:CD1(ICR)]
60	Mice:NOD. B10Sn-H2(b)/J	MZ	Mice:C57BL/6J (Jackson)
61	Mice:NZO/HiLtJ	NA	Mice:Not Available
62	Mice:PWK/PhJ	RB6TRP53	Mice:Female BTBR.Tj (R) crossed to B6.129- Trp53<tmlBrd> males homozygous for the Trp53 null allele
63	Mice:B6C3F1/J (Jackson)	NA	Monkey:Not Available
AB6TRP53	Mice:Female A/J crossed to B6.129-Trp53<tmlBrd> males homozygous for the Trp53 null allele	RH	Monkey:Rhesus
B6129	Mice:B6.129-Trp53<TM1BRD>	44	Rats:Sprague Dawley (NCTR)
C3B6	Mice:C3B6.129F1-Trp53<TM1BRD>	48	Rats:Cr1:CD (SD)
C3B6TRP53	Mice:Female C3H/HeJ crossed to B6.129- Trp53<tmlBrd> males homozygous for the Trp53 null allele	F344	Rats:Fischer 344
C6N	Mice:C57BL/6N	FSAS	Rats:F344/NCr1 (SAS FISCH)
CB6TRP53	Mice:Female Balb/c (C) crossed to B6.129- Trp53<tmlBrd> males homozygous for the Trp53 null allele	HSD	Rats:Harlan Sprague-Dawley
D2B6TRP53	Mice:Female DBA/2J (D2) crossed to B6.129- Trp53<tmlBrd> males homozygous for the Trp53 null allele	HSDD	Rats:Harlan Sprague Dawley (Dublin Facility)
DOJ	Mice:Diversity Outbred (Jackson)	HSDE	Rats:Hsd:Sprague Dawley SD
M0	Mice:SKH-1 Hairless (NCTR)	HSDI	Rats:Harlan Sprague Dawley (Indianapolis Facility)
M1	Mice:C57BL/6	* ML	Rats:Tg.Lac1/C57BL/6 (Big Blue)
M11	Mice:CAST/EiJ (M. m. castaneus)	NA	Rats:Not Available
M14	Mice:WSB/EiJ (M. m. domesticus)	R1	Rats:Osborne Mendel
M15	Mice:C3H/HeJ	R10	Rats:F344/N Charles River
M2	Mice:C3H	R2	Rats:F344/N
M22	Mice:B6C3F1/N	R3	Rats:ACI
M3	Mice:B6C3F1	R4	Rats:August
M4	Mice:Swiss	R5	Rats:Long-Evans
M5	Mice:Swiss CD-1	R6	Rats:Marshall
M6	Mice:Swiss Webster	R7	Rats:Sherman
M7	Mice:Sencar	R8	Rats:Sprague Dawley
* M8	Mice:MMTV/RAS (Tg.SH)	R9	Rats:Wistar
* M9	Mice:MMTV/MYC (Tg.M)	RA	Rats:CD
* MA	Mice:MMTV/NEU (Tg.Nk)	RB	Rats:NCI Black Reiter (NBR)
MB	Mice:NIH Swiss	RC	Rats:F344 (NCTR)
* MC	Mice:PIM	RD	Rats:F344/NTac
MCBA	Mice:CBA/ Ca Jackson	RE	Rats:Wistar Han
* MD	Mice:P53 +/- (C57BL/6)	ZL	Rats:Zucker - Lean (HsdHlr:ZUCKER-Lepr+)
* ME	Mice:Tg.AC (FVB/N) Hemizygous	ZLC	Rats:Zucker - Lean (Charles River)
MF	Mice:A/J	ZO	Rats:Zucker - Obese (HsdHlr:ZUCKER-Leprfa)
MG	Mice:B6.SJL-Ptprc[a] Pepc[b]/BoyJ	ZOC	Rats:Zucker - Obese (Charles River)
* MH	Mice:Tg/RASH2/CB6F1	NA	Rabbit:Not Available
MI	Mice:FVB/N	NA	Rats/Mice:Not Available
* MJ	Mice:C3B6F1-+/TRP53<TM1BRD> (NCTR)	R2	Rats/Mice:F344/N
* MK	Mice:CB6F1-Tg(HRAS)2Jic [(BALB/cByJTac x C57BL/6JTac)- Tg(HRAS)2Jic F1		
* Transgenic Mouse Model			

## CAR Carcinogenicity:

The National Toxicology Program describes the results of individual experiments on a chemical agent and notes the strength of evidence for conclusions regarding each study. Negative results, in which the study animals do not have a greater incidence of neoplasia than control animals, do not necessarily mean that a chemical is not a carcinogen, inasmuch as the experiments are conducted under a limited set of conditions. Positive results demonstrate that a chemical is carcinogenic for laboratory animals under the conditions of the study and indicate that exposure to the chemical has the potential for hazard to humans. Five categories of evidence of carcinogenic activity are used in the Technical Report series to summarize the strength of the evidence observed in each experiment: two categories for positive results ("Clear Evidence" and "Some Evidence"); one category for uncertain findings ("Equivocal Evidence"); one category for no observable effects ("No Evidence"); and one category for experiments that because of major flaws cannot be evaluated ("Inadequate Study"). These categories of interpretative conclusions were first adopted in June 1983 and then revised in March 1986 for use in the Technical Reports series to incorporate more specifically the concept of actual weight of evidence of carcinogenic activity. For each separate experiment (male rats, female rats, male mice, female mice), one of the following quintet is selected to describe the findings. The categories refer to the strength of the experimental evidence and not to either potency or mechanism.

- CE Clear Evidence of Carcinogenic Activity is demonstrated by studies that are interpreted as showing a dose-related (i) increase of malignant neoplasms, (ii) increase of a combination of malignant and benign neoplasms, or (iii) marked increase of benign neoplasms if there is an indication from this or other studies of the ability of such tumors to progress to malignancy.
- SE Some Evidence of Carcinogenic Activity is demonstrated by studies that are interpreted as showing a chemically related increased incidence of neoplasms (malignant, benign, or combined) in which the strength of the response is less than that required for clear evidence.
- EE Equivocal Evidence of Carcinogenic Activity is demonstrated by studies that are interpreted as showing a marginal increase of neoplasms that may be chemically related.
- NE No Evidence of Carcinogenic Activity is demonstrated by studies that are interpreted as showing no chemically related increases in malignant or benign neoplasms.
- IS Inadequate Study of Carcinogenic Activity is demonstrated by studies that because of major qualitative or quantitative limitations cannot be interpreted as valid for showing either the presence or absence of carcinogenic activity.

When a conclusion statement for a particular experiment is selected, consideration must be given to key factors that would extend the actual boundary of an individual category of evidence. This should allow for incorporation of scientific experience and current understanding of long-term carcinogenesis studies in laboratory animals, especially for those evaluations that may be on the borderline between two adjacent levels. These considerations should include:

- The adequacy of the experimental design and conduct;
- Occurrence of common versus uncommon neoplasia;
- Progression (or lack thereof) from benign to malignant neoplasia as well as from preneoplastic to neoplastic lesions;
- Some benign neoplasms have the capacity to regress but others (of the same morphologic type) progress. At present, it is impossible to identify the difference. Therefore, where progression is known to be a possibility, the most prudent course is to assume that benign neoplasms of those types have the potential to become malignant;
- Combining benign and malignant tumor incidences known or thought to represent stages of progression in the same organ or tissue;
- Latency in tumor induction;
- Multiplicity in site-specific neoplasia;
- Metastases;
- Supporting information from proliferative lesions (hyperplasia) in the same site of neoplasia or in other experiments (same lesion in another sex or species);
- The presence or absence of dose relationships;
- The statistical significance of the observed tumor increase;
- The concurrent control tumor incidence as well as the historical control rate and variability for a specific neoplasm;
- Survival-adjusted analyses and false positive or false negative concerns;
- Structure-activity correlations; and
- In some cases, genetic toxicology.

Earlier designations include:

P Positive E Equivocal N Negative I Inadequate

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
				@ Aizen Malachite Green (Listed As: Malachite green)	569-64-2	38	16
Abrasive Blasting Agents: Blasting Sand	BLASTINGSAND	35	14	Aldicarb	116-06-3	40	16
Abrasive blasting agents (coal slag)	COALSLAG	51	*	Aldrin	309-00-2	40	16
Abrasive blasting agents (crushed glass)	CRUSHEDGLASS	51	*	Allyl acetate	591-87-7	37	16
Abrasive blasting agents (garnet)	GARNET	51	*	Allyl alcohol	107-18-6	37	16
Abrasive Blasting Agents: Specular Hematite	HEMATITESPEC	35	14	Allyl bromide	106-95-6	36	16
@ Acesulfame Potassium Transgenic Model Evaluation II (Listed As: Transgenic Model Evaluation II (Acesulfame Potassium))	55589-62-3	36	16	Allyl bromide	106-95-6	51	*
Acetaminophen (4-hydroxyacetanilide)	103-90-2	40	16	Allyl chloride	107-05-1	40	16
Acetaminophen (4-hydroxyacetanilide)	103-90-2	51	*	Allyl glycidyl ether	106-92-3	40	16
Acetochlor	34256-82-1	51	*	Allyl isothiocyanate	57-06-7	40	16
Acetohexamide	968-81-0	40	16	Allyl isovalerate	2835-39-4	40	16
Acetoin	513-86-0	35	14	Aloe-emodin	481-72-1	40	16
Acetone	67-64-1	37	16	Aloe phototoxicity studies	ALOEPHOTOTOX	40	16
Acetonitrile	75-05-8	51	*	Aloe vera charcoal filtered whole leaf extract	ALOEVFILTER	40	16
Acetonitrile	75-05-8	40	16	Aloe vera gel	8001-97-6	40	16
Acrolein	107-02-8	37	16	Aloe vera whole leaf extract (native)	ALOEVLEAFEXT	40	16
Acronycine	7008-42-6	40	16	Aloe vera whole leaf extract (native)	ALOEVLEAFEXT	40	16
Acrylamide	79-06-1	32	5	Aloin	1415-73-2	32	5
Acrylamide	79-06-1	40	16	alpha/beta Hydroxy acids (glycolic acid, salicylic acid)	HYDROXGLYSAL	40	16
Acrylamide	79-06-1	51	*	alpha-Pinene	80-56-8	37	16
@ Acryl Brilliant Green (Listed As: Malachite green)	569-64-2	45	16	alpha-Pinene	80-56-8	34	8
@ Acryl Brilliant Green (Listed As: Malachite green)	569-64-2	38	16	Alternaria alternata mold	ALTERNARIA	32	3
Acrylonitrile	107-13-1	40	16	Ametryn	834-12-8	51	*
Actinomycin D	50-76-0	49	17	9-Aminoacridine hydrochloride	134-50-9	51	*
Adeno-associated viral vector (hEPO)	AAVIRVECEPO	51	*	9-Aminoacridine hydrochloride	134-50-9	51	*
Adenoviral vector (hGH)	ADNVIRVECHGH	51	*	2-Aminoanthraquinone	117-79-3	40	16
Adenoviral Vector (AdhAQP1)	ADNVIRVECAQP	51	*	5-Amino-o-cresol	2835-95-2	37	16
Aflatoxin B1 (TGMX)	1162-65-8	32	5	1-Amino-2,4-dibromoanthraquinone	81-49-2	40	16
Agar	9002-18-0	40	16	3-Amino-4-ethoxyacetanilide	17026-81-2	40	16
Agaritrine	2757-90-6	49	17	3-Amino-9-ethylcarbazole	132-32-1	49	17
Aging Cohort Study: 129/SvImJ mouse	MOUSEPHENO1	34	10	3-Amino-9-ethylcarbazole HCl	6109-97-3	40	16
Aging Cohort Study: B6C3F1J mouse	MOUSEPHENO6	34	10	1-Amino-2-methylanthraquinone	82-28-0	40	16
Aging Cohort Study: C3H/HeJ mouse	MOUSEPHENO3	34	10	2-Amino-4-nitrophenol	99-57-0	40	16
Aging Cohort Study: C57/BL/6J mouse	MOUSEPHENO4	34	10	2-Amino-5-nitrophenol	121-88-0	40	16
Aging Cohort Study: CAST/EiJ mouse	MOUSEPHENO5	34	10	4-Amino-2-nitrophenol	119-34-6	40	16
Aging Cohort Study: NZO/HiLtJ mouse	MOUSEPHENO10	34	10	2-Amino-5-nitrothiazole	121-66-4	40	16
Aging Cohort Study: PWK/PhJ mouse	MOUSEPHENO8	34	10	2-(4-Aminophenyl)-6-methyl-7- benzothiazole sulfonic acid	130-17-6	51	*
Aging Cohort Study: WSB/EIJ mouse	MOUSEPHENO9	34	10	3-Aminopyridine	462-08-8	51	*
Aging Cohort Study: A/J mouse	MOUSEPHENO2	34	10	2-Aminopyridine	504-29-0	51	*
Aging Cohort Study: NOD. B10Sn-H2(b)/J	MOUSEPHENO7	34	10	4-Aminopyridine	504-24-5	51	*
@ Aizen Malachite Green (Listed As: Malachite green)	569-64-2	45	16	Comparison study of Aminopyridines/Troponin levels	AMINOPYRCOMP	51	*
				11-Aminoundecanoic acid	2432-99-7	40	16
				DL-amphetamine sulfate	60-13-9	40	16
				Ampicillin trihydrate	7177-48-2	40	16
				Amsacrine	51264-14-3	49	17
				@ AN (Listed As: Acrylonitrile)	107-13-1	40	16
				Androstenedione	63-05-8	51	*
				Androstenedione	63-05-8	51	*

@ Denotes common names--see following line for correct name.

\* See Appendix, Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Androstenedione	63-05-8	40	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
Anilazine	101-05-3	40	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
@ Aniline Green (Listed As: Malachite green)	569-64-2	45	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
@ Aniline Green (Listed As: Malachite green)	569-64-2	38	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
Aniline hydrochloride	142-04-1	40	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
@ p-Anisidine hydrochloride Transgenic model evaluation (Listed As: Transgenic model evaluation (p-Anisidine HCl))	20265-97-8	55	*	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
o-Anisidine hydrochloride	134-29-2	40	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
p-Anisidine hydrochloride	20265-97-8	40	16	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine	AZTDDCCOMB	51	*
o-Anthranilic acid	118-92-3	40	16	@ 3'-Azido-3'-deoxythymidine/2',3'- Dideoxycytidine (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine and 2',3'- Dideoxycytidine)	AZTDDCCOMB	51	*
Anthraquinone	84-65-1	40	16				
Antimony potassium tartrate	28300-74-5		16				
Antimony Trioxide	1309-64-4	35	14				
Arsenic antioxidant mixture	ANTIOXCOMBO2	51	*				
Arsenic antioxidant mixture	ANTIOXCOMBO2	51	*	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative)	AZTDDICOMB	51	*
Antioxidant model (TRAMP) - N-acetylcysteine	616-91-1	51	*				
Antioxidant model (TRAMP) - Epigallocatechin gallate	989-51-5	51	*	Azinphosmethyl	86-50-0	41	16
Antioxidant model (TRAMP) - NAO (spinach extract)	NAOSPINEXTR	51	*	Azobenzene	103-33-3	41	16
L-Arginine Glutamate	4320-30-3	49	17	Azodicarbonamide	123-77-3	51	*
Aroclor 1254	11097-69-1	40	16	AZT+3TC+NVP combination	AZT3TCCOMBO	41	16
@ Arotonoid (Retinoid project 6) (Listed As: Retinoid project 6 (Arotonoid))	125533-88-2	54	*	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Arsenic	7440-38-2	32	4	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Arsine	7784-42-1	51	*	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, amosite	12172-73-5	32	4	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, amosite	12172-73-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, amosite	12172-73-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, amosite + Dimethyl hydrazine	12172-73-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(IR)	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(IR)	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(IR)	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(IR) + Dimethyl hydrazine	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(IR) + Dimethyl hydrazine	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(SR)	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, chrysotile(SR)	12001-29-5	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Asbestos, crocidolite	12001-28-4	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
L-Ascorbic acid	50-81-7	40	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
@ Aspartame (transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Aspartame))	22839-47-0	36	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
@ Aspartame (transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Aspartame))	22839-47-0	36	16	@ AZT (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine (AIDS))	30516-87-1	40	16
Aspergillus versicolor mold	ASPERGILLUSV	34	6	@ AZT + DDI (AIDS initiative) (Listed As: 3'-Azido-3'- deoxythymidine and 2',3'- Dideoxyinosine (AIDS initiative))	AZTDDICOMB	51	*
Aspirin, phenacetin, and caffeine	8003-03-0	40	16				
5-Azacytidine	320-67-2	40	16				
Azathioprine	446-86-6	49	17	AZT/Drug Combinations Transplacental/Neonatal Study	AIDSDRUGSNEO	35	13

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
AZT/Drug Combinations Transplacental Carcinogenesis Study	AIDSTHERAPEU	41	16	Benzyl alcohol	100-51-6	41	16
AZT + Isoniazid (AIDS Initiative)	AZTISONIAZID	37	16	Benzyl chloride	100-44-7	49	17
AZT + Methadone HCl (AIDS)	AZTMETHCOMB	51	*	o-Benzyl-p-chlorophenol	120-32-1	37	16
AZT + Nitazoxanide (AIDS Initiative)	AZT+NITAZOX	51	*	o-Benzyl-p-chlorophenol	120-32-1	41	16
AZT + Pyrazinamide combination (AIDS Initiative)	AZTZINAMIDE	37	16	o-Benzyl-p-chlorophenol	120-32-1	41	16
AZT + Rifampin (AIDS Initiative)	AZTRIFAMPIN	37	16	Benzyltrimethyl ammonium chloride	56-93-9	37	16
AZT + TMP/SMX (mixture) combination	AZTTMPSTMX	51	*	Benzyltrimethyl ammonium chloride	56-93-9	51	*
AZT + TMP/SMX (mixture) combination	AZTTMPSTMX	51	*	Benzyltrimethyl ammonium chloride	56-93-9	37	16
AZT transplacental carcinogenesis study	30516-87-1	41	16	@ Binary mixture (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153))	TEFBINARYMIX	47	16
Barium chloride dihydrate	10326-27-9	37	16	2-Biphenylamine hydrochloride	2185-92-4	41	16
Barium chloride dihydrate	10326-27-9	41	16	2,2-bis(Bromomethyl)-1,3- propanediol	3296-90-0	51	*
@ BCNU (Listed As: 1,3- bis(Chloroethyl)-1- nitrosourea)	154-93-8	49	17	2,2-bis(Bromomethyl)-1,3- propanediol	3296-90-0	37	16
BDE Toxicogenomics Study (TGMX)	TGMXBDECLASS	32	2	2,2-bis(Bromomethyl)-1,3- propanediol	3296-90-0	41	16
Benzaldehyde	100-52-7	41	16	1,3-bis(Chloroethyl)-1- nitrosourea	154-93-8	49	17
@ Benzaldehyde Green (Listed As: Malachite green)	569-64-2	45	16	bis(Chloromethyl) ether	542-88-1	49	17
@ Benzaldehyde Green (Listed As: Malachite green)	569-64-2	38	16	bis(2-Chloro-1-methylethyl) ether	108-60-1	41	16
Benzene	71-43-2	41	16	bis(2-Chloro-1-methylethyl) ether	108-60-1	41	16
@ Benzene (Transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Benzene))	71-43-2	36	16	Bisphenol A	80-05-7	34	8
Benzethonium chloride	121-54-0	37	16	Bisphenol A	80-05-7	51	*
Benzethonium chloride	121-54-0	41	16	Bisphenol A	80-05-7	35	12
Benzidine dihydrochloride	531-85-1	51	*	Bisphenol A	80-05-7	41	16
Benzofuran	271-89-6	41	16	Bisphenol AF	1478-61-1	33	5
Benzoin	119-53-9	41	16	Bisphenol S	80-09-1	33	5
Benzonitrile	100-47-0	51	*	1,2-Bis(2,4,6- tribromophenoxy)ethane	37853-59-1	33	5
Benzophenone	119-61-9	37	16	@ Black 38, C.I. Acid (Listed As: C.I. Direct Black 38)	1937-37-7	37	16
Benzophenone	119-61-9	41	16	@ Black Cloud Mine Ore (Colorado) (Listed As: Lead ores)	LEADORES	53	*
p-Benzoquinone dioxime	105-11-3	41	16	Black Cohosh	84776-26-1	51	*
1,2,3-Benzotriazole	95-14-7	41	16	Black Cohosh	84776-26-1	34	8
Phenolic Benzotriazoles (2-(2H- Benzotriazol-2-yl)-4-tert- butylphenol)	3147-76-0	33	5	Black Cohosh	84776-26-1	51	*
@ Benzoyl peroxide (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16	Black Cohosh	84776-26-1	51	*
@ Benzoyl peroxide (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16	Black newsprint ink	EMTDP-75	37	16
@ Benzoyl peroxide (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16	@ Blue 15, C.I. Direct (Listed As: C.I. Direct Blue 15)	2429-74-5	42	16
Benzyl acetate	140-11-4	41	16	@ Blue 218, C.I. Direct (Listed As: C.I. Direct Blue 218)	28407-37-6	37	16
Benzyl acetate	140-11-4	41	16	@ Blue 218, C.I. Direct (Listed As: C.I. Direct Blue 218)	28407-37-6	42	16
Benzyl acetate + glycine combination study	GLYCINEBENZA	51	*	@ Blue 6, C.I. Direct (Listed As: C.I. Direct Blue 6)	2602-46-2	37	16
				@ Blue 6, C.I. Direct (Listed As: C.I. Direct Blue 6)	2602-46-2	52	*
				@ Blue 1, HC (Listed As: HC Blue 1)	2784-94-3	44	16
				@ Blue 2, HC (Listed As: HC Blue 2)	33229-34-4	44	16

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ BMPC (Listed As: Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride)	479500-35-1	33	5	1,4-Butanediol	110-63-4		16
Boric acid	10043-35-3	41	16	2,3-Butanedione	431-03-8	35	13
@ BP-AF (Listed As: Bisphenol AF)	1478-61-1	33	5	@ tert-Butanol (Listed As: tert-Butyl alcohol)	75-65-0	41	16
@ BPAF (Listed As: Bisphenol AF)	1478-61-1	33	5	@ tert-Butanol (Listed As: tert-Butyl alcohol)	75-65-0	37	16
@ BPDP (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	52	*	@ Butanone oxime (Listed As: Methyl ethyl ketoxime)	96-29-7	39	16
@ BPDP (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	32	2	@ Butoxyethanol (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	37	16
Bromobenzene	108-86-1	51	*	@ Butoxyethanol (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	37	16
Bromobenzene	108-86-1	51	*	@ Butoxyethanol (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
@ Bromochloroacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Bromochloroacetic acid))	5589-96-8	49	16	@ Butoxyethanol (Listed As: NTP-88 diet study (EGMBE))	DIET88+EGMBE	53	*
Bromodichloromethane	75-27-4	41	16	2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	37	16
@ BromodichloromethaneE (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Bromodichloromethane))	75-27-4	55	*	2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	37	16
@ BromodichloromethaneE (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Bromodichloromethane))	75-27-4	55	*	2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	tert-Butyl alcohol	75-65-0	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	tert-Butyl alcohol	75-65-0	37	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	Butylated hydroxytoluene	128-37-0	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	N-Butylbenzenesulfonamide	3622-84-2	33	5
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	N-Butylbenzenesulfonamide	3622-84-2	32	3
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	Butyl benzyl phthalate	85-68-7	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	Butyl benzyl phthalate	85-68-7	37	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	Butyl benzyl phthalate	85-68-7	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	p-tert-Butylcatechol	98-29-3	37	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	p-tert-Butylcatechol	98-29-3	37	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	n-Butyl chloride	109-69-3	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	n-Butyl Glycidyl Ether	2426-08-6	51	*
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	36	16	tert-Butyl hydroperoxide	75-91-2	51	*
Bromoethane (ethyl bromide)	74-96-4	41	16	tert-Butyl hydroperoxide	75-91-2	52	*
@ Bromoform (Listed As: Tribromomethane)	75-25-2	48	16	t-Butylhydroquinone	1948-33-0	41	16
beta-Bromo-beta-nitrostyrene	7166-19-0	37	16	tert-Butyl perbenzoate	614-45-9	37	16
1-Bromopropane	106-94-5	41	16	tert-Butylphenyl Diphenyl Phosphate	56803-37-3	52	*
@ Brown 95, C.I. Direct (Listed As: C.I. Direct Brown 95)	16071-86-6	37	16	tert-Butylphenyl Diphenyl Phosphate	56803-37-3	32	2
1,3-Butadiene	106-99-0	41	16	Butyraldehyde	123-72-8	52	*
1,3-Butadiene	106-99-0	51	*	gamma-Butyrolactone	96-48-0	41	16
1,3-Butadiene	106-99-0	41	16	@ C9 Alkylbenzenes (Listed As: 1,2,4-trimethylbenzene)	95-63-6	34	5
1,3-Butadiene	106-99-0	49	17	@ C9 Alkylbenzenes (Listed As: Cumene)	98-82-8	42	16
Butanal oxime	110-69-0	37	16	@ C9 Alkylbenzenes (Listed As: 2-ethyltoluene)	611-14-3	33	5

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ C9 Alkylbenzenes (Listed As: 3-ethyltoluene)	620-14-4	33	5	Chlorendic acid	115-28-6	41	16
@ C9 Alkylbenzenes (Listed As: 4-ethyltoluene)	622-96-8	33	5	Chlorinated paraffins: C12, 60% chlorine	108171-26-2	41	16
Cadmium oxide	1306-19-0	37	16	Chlorinated paraffins: C23, 43% chlorine	108171-27-3	41	16
Cadmium oxide	1306-19-0	37	16	Chlorinated trisodium phosphate	56802-99-4	41	16
@ Cadox TBH (Listed As: tert-Butyl hydroperoxide)	75-91-2	51	*	Chlorinated water	CHLORWATERMX	41	16
@ Cadox TBH (Listed As: tert-Butyl hydroperoxide)	75-91-2	52	*	@ Chlorine/Sodium hypochlorite (Listed As: Chlorinated water)	CHLORWATERMX	41	16
Caffeine	58-08-2	52	*	2-Chloroacetophenone (CN)	532-27-4	41	16
Calcium chromate	13765-19-0	49	17	4-(Chloroacetyl)acetanilide	140-49-8	41	16
Calcium cyanamide	156-62-7	41	16	m-Chloroaniline	108-42-9	37	16
DL-Camphor	76-22-2	52	*	o-Chloroaniline	95-51-2	37	16
Caprolactam	105-60-2	41	16	p-Chloroaniline	106-47-8	41	16
Captan	133-06-2	41	16	p-Chloroaniline hydrochloride	20265-96-7	41	16
Carbaryl	63-25-2	52	*	o-Chlorobenzalmalononitrile (CS)	2698-41-1	41	16
Carbon disulfide	75-15-0	52	*	Chlorobenzene	108-90-7	41	16
Carbon disulfide	75-15-0	52	*	Chlorobenzilate	510-15-6	41	16
Carbon disulfide	75-15-0	52	*	Chlorodibromomethane	124-48-1	41	16
Carbon tetrachloride	56-23-5	49	17	3-Chloro-4-(dichloromethyl)-5- hydroxy-2(5H)-furanone (MX)	77439-76-0	52	*
Carbromal	77-65-6	41	16	Chloroethane	75-00-3	41	16
Cardio Transmitter Gene Evaluation	CARDIOGENEVL	52	*	2-Chloroethanol (ethylene chlorohydrin)	107-07-3	41	16
Carisoprodol	78-44-4	52	*	bis(2-Chloroethoxy)methane	111-91-1	32	2
Carisoprodol	78-44-4	37	16	bis(2-Chloroethoxy)methane	111-91-1	41	16
Carisoprodol	78-44-4	16	16	bis(2-Chloroethoxy)methane	111-91-1	52	*
Carisoprodol	78-44-4	16	16	bis(2-Chloroethoxy)methane	111-91-1	52	*
D-Carvone	2244-16-8	41	16	2-Chloroethyltrimethylammonium chloride	999-81-5	41	16
Castor oil	8001-79-4	37	16	Chloroform	67-66-3	41	16
Cedarwood oil	8000-27-9	35	14	Chloromethyl methyl ether	107-30-2	49	17
Cell Phone Radiation: CDMA	CELLPRADCDMA	34	10	3-Chloro-2-methylpropene	563-47-3	42	16
Cell Phone Radiation: GSM	CELLPRADGSM	34	10	2-Chloromethylpyridine hydrochloride	6959-47-3	42	16
Cellulose insulation	CELLULOSEINS	37	16	3-Chloromethylpyridine hydrochloride	6959-48-4	42	16
@ CEM (Listed As: bis(2- Chloroethoxy)methane)	111-91-1	32	2	4-Chloro-2-nitroaniline	89-63-4	52	*
@ CEM (Listed As: bis(2- Chloroethoxy)methane)	111-91-1	41	16	2-Chloronitrobenzene	88-73-3	37	16
@ CEM (Listed As: bis(2- Chloroethoxy)methane)	111-91-1	52	*	4-Chloronitrobenzene	100-00-5	37	16
@ CEM (Listed As: bis(2- Chloroethoxy)methane)	111-91-1	52	*	4-Chloro-m-phenylenediamine	5131-60-2	42	16
@ CEM (Listed As: bis(2- Chloroethoxy)methane)	111-91-1	52	*	4-Chloro-o-phenylenediamine	95-83-0	42	16
Chemical mixture - drinking water contaminants	CHEMMIXH2O	37	16	2-Chloro-p-phenylenediamine sulfate	61702-44-1	42	16
Chitosan	9012-76-4	35	12	Chloropicrin	76-06-2	42	16
Chloral hydrate	302-17-0	41	16	Chloroprene	126-99-8	37	16
Chloral hydrate	302-17-0	37	16	Chloroprene	126-99-8	42	16
Chloral hydrate	302-17-0	41	16	Chloroprene	126-99-8	52	*
Chloramben	133-90-4	41	16	Chloroprene	126-99-8	52	*
Chlorambucil	305-03-3	49	17	1-Chloro-2-propanol, technical	127-00-4	37	16
Chloraminated water	CHLORAMINEMX	41	16	1-Chloro-2-propanol, technical	127-00-4	52	*
Chloramphenicol sodium succinate	982-57-0	52	*	1-Chloro-2-propanol, technical	127-00-4	42	16
Chlordane (analytical grade)	57-74-9	41	16	@ 1-Chloro-2-propanol, technical (Transgenic LECM) (Listed As: Transgenic LECM (1-Chloro-2-propanol, technical))	127-00-4	55	*
Chlordecone	143-50-0	41	16				

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CHEMICAL NAME	CASRN	PAGE	REF
@ 1-Chloro-2-propanol, technical (Transgenic LECM) (Listed As: Transgenic LECM (1-Chloro-2-propanol, technical))	127-00-4	55	*
o-Chloropyridine	109-09-1	52	*
o-Chloropyridine	109-09-1	35	14
Chlorothalonil	1897-45-6	42	16
3-Chloro-p-toluidine	95-74-9	42	16
5-Chloro-o-toluidine	95-79-4	42	16
4-Chloro-o-toluidine hydrochloride	3165-93-3	42	16
p-Chloro-a,a,a-trifluorotoluene	98-56-6	35	12
p-Chloro-a,a,a-trifluorotoluene	98-56-6	35	13
p-Chloro-a,a,a-trifluorotoluene	98-56-6	37	16
p-Chloro-a,a,a-trifluorotoluene	98-56-6	37	16
@ Chlorowax 40 (Listed As: Chlorinated paraffins: C23, 43% chlorine)	108171-27-3	41	16
@ Chlorowax 500C (Listed As: Chlorinated paraffins: C12, 60% chlorine)	108171-26-2	41	16
Chlorpheniramine maleate	113-92-8	42	16
Chlorpropamide	94-20-2	42	16
Chromium	7440-47-3	49	17
Chromium picolinate monohydrate	27882-76-4	42	16
@ Chrysotile asbestos (Listed As: Asbestos, chrysotile(IR) + Dimethyl hydrazine)	12001-29-5	40	16
@ Chrysotile asbestos (Listed As: Asbestos, chrysotile(IR) + Dimethyl hydrazine)	12001-29-5	40	16
C.I. Phthalocyanine green	1328-53-6	52	*
C.I. Acid Orange 3	6373-74-6	42	16
C.I. Acid Orange 10	1936-15-8	42	16
C.I. Acid Red 14	3567-69-9	42	16
C.I. Acid Red 114	6459-94-5	42	16
@ C.I. Basic Green 4 (Listed As: Malachite green)	569-64-2	45	16
@ C.I. Basic Green 4 (Listed As: Malachite green)	569-64-2	38	16
@ C.I. Basic Red 1 (Listed As: Rhodamine 6G)	989-38-8	47	16
C.I. Basic Red 9 Monohydrochloride	569-61-9	42	16
C.I. Direct Black 38	1937-37-7	37	16
C.I. Direct Blue 6	2602-46-2	37	16
C.I. Direct Blue 6	2602-46-2	52	*
C.I. Direct Blue 15	2429-74-5	42	16
C.I. Direct Blue 218	28407-37-6	37	16
C.I. Direct Blue 218	28407-37-6	42	16
C.I. Direct Brown 95	16071-86-6	37	16
C.I. Disperse Blue 1	2475-45-8	42	16
C.I. Disperse Yellow 3	2832-40-8	42	16
1,8-Cineol	470-82-6	52	*
1,8-Cineol	470-82-6	52	*
Cinnamaldehyde	104-55-2	52	*
trans-Cinnamaldehyde	14371-10-9	42	16

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CHEMICAL NAME	CASRN	PAGE	REF
trans-Cinnamaldehyde	14371-10-9	52	*
Cinnamyl anthranilate	87-29-6	42	16
C.I. Pigment Red 3	2425-85-6	42	16
C.I. Pigment Red 23	6471-49-4	42	16
C.I. Solvent Yellow 14	842-07-9	42	16
Citral	5392-40-5	42	16
Citral	5392-40-5	52	*
Citral	5392-40-5	52	*
C.I. Vat Yellow 4	128-66-5	42	16
Clonitralid	1420-04-8	42	16
@ CN (Listed As: 2- Chloroacetophenone (CN))	532-27-4	41	16
Cobalt	7440-48-4	42	16
Cobalt sulfate heptahydrate	10026-24-1		16
Cobalt sulfate heptahydrate	10026-24-1	42	16
Coconut oil acid diethanolamine condensate	68603-42-9	42	16
@ Coconut oil acid/diethanolamine condensate (Listed As: Coconut oil acid diethanolamine condensate)	68603-42-9	42	16
@ Coconut oil acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Coconut oil acid diethanolamine condensate))	68603-42-9	55	*
@ Coconut oil acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Coconut oil acid diethanolamine condensate))	68603-42-9	55	*
Codeine	76-57-3	37	16
Codeine	76-57-3	42	16
@ Copper sulfate (Listed As: Cupric sulfate)	7758-99-8	37	16
@ Copper sulfate (Listed As: Cupric sulfate)	7758-99-8	37	16
Corn oil	8001-30-7	42	16
Coumaphos	56-72-4	42	16
Coumarin	91-64-5	37	16
Coumarin	91-64-5	42	16
Coumarin	91-64-5	33	5
m-Cresidine	102-50-1	42	16
p-Cresidine	120-71-8	42	16
p-Cresidine	120-71-8	52	*
m-Cresol	108-39-4	37	16
o-Cresol	95-48-7	37	16
p-Cresol	106-44-5	37	16
Cresols	1319-77-3	37	16
Cresols	1319-77-3	42	16
@ Crocidolite asbestos (Listed As: Asbestos, crocidolite)	12001-28-4	40	16
Crotonaldehyde	4170-30-3	52	*
Crude MCHM	CRUDEMCHM	33	5
Crumbrubber various	CRUMBRUBBERVARIOUS	33	5
@ CS (Listed As: o- Chlorobenzalmalononitrile (CS))	2698-41-1	41	16

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\* See Appendix, Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ CTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	35	12	@ DBCP (Listed As: 1,2-Dibromo-3-chloropropane)	96-12-8	42	16
@ CTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	35	13	@ DBCP (Listed As: 1,2-Dibromo-3-chloropropane)	96-12-8	42	16
@ CTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	37	16	@ 1,3-DCP (Listed As: 1,3-Dichloropropene (Telone II))	542-75-6	43	16
@ CTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	37	16	D&C Red No. 9	5160-02-1	42	16
Cumene	98-82-8	42	16	D&C Yellow No. 11	8003-22-3	37	16
Cumene hydroperoxide	80-15-9	52	*	D&C Yellow No. 11	8003-22-3	42	16
Cupferron	135-20-6	42	16	@ DDC (AIDS Initiative) (Listed As: 2',3'-Dideoxycytidine)	7481-89-2	52	*
Cupric sulfate	7758-99-8	37	16	@ DDC (AIDS Initiative) (Listed As: 2',3'-Dideoxycytidine)	7481-89-2	52	*
Cupric sulfate	7758-99-8	37	16	@ DDC (AIDS Initiative) (Listed As: 2',3'-Dideoxycytidine)	7481-89-2	52	*
@ Curcumin (Prevention 4) (Listed As: Prevention 4 (Curcumin))	458-37-7	54	*	o,p'-DDD	53-19-0	49	17
Cyclanilide	113136-77-9	52	*	@ DDT (Listed As: Dichlorodiphenyltrichloroethane (DDT))	50-29-3	43	16
2-Cyclohexen-1-one	930-68-7	52	*	@ DDVP (Listed As: Dichlorvos)	62-73-7	43	16
Cyclohexanone	108-94-1	49	17	@ DDVP (Listed As: Dichlorvos)	62-73-7	43	16
Cyclohexanone oxime	100-64-1	37	16	Decabromodiphenyl Ether	1163-19-5	33	5
Cyclohexene oxide	286-20-4	52	*	Decabromodiphenyl Ether	1163-19-5	42	16
Cyclohexene oxide	286-20-4	52	*	2,4-Decadienal	25152-84-5	52	*
Cyclohexene oxide	286-20-4	52	*	2,4-Decadienal	25152-84-5	37	16
Cyclophosphamide	50-18-0	49	17	Decalin	91-17-8	42	16
@ Cyclophosphamide monohydrate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclophosphamide monohydrate))	6055-19-2	55	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	35	10
@ Cyclophosphamide monohydrate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclophosphamide monohydrate))	6055-19-2	55	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	35	10
@ Cyclosporin A (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclosporin A))	59865-13-3	55	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	52	*
@ Cyclosporin A (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclosporin A))	59865-13-3	55	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	33	5
Cyfluthrin	68359-37-5	52	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	52	*
Cylindrospermopsin	143545-90-8	32	3	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	43	16
Cyprodinil	121552-61-2	52	*	Deoxynivalenol	51481-10-8	32	2
Cytarabine	147-94-4	49	17	@ DEP (Listed As: Diethyl phthalate)	84-66-2	43	16
Cytembena	21739-91-3	42	16	@ DES (Transgenic model evaluation) (Listed As: Transgenic model evaluation (DES))	56-53-1	55	*
Cytoxal alcohol	4465-94-5	49	17	@ DES (Transgenic model evaluation) (Listed As: Transgenic model evaluation (DES))	56-53-1	55	*
@ 2,4-D (Peroxisome project) (Listed As: Peroxisome project (2,4-Dichlorophenoxyacetic acid))	94-75-7	54	*	@ DES (Transgenic model evaluation) (Listed As: Transgenic model evaluation (DES))	56-53-1	55	*
Dacarbazine	4342-03-4	49	17	Damp Building Mold Mixture	DAMPBLDGMOLD	32	3
Daminozide	1596-84-5	42	16	@ DAPSONE (Listed As: 4,4'-Sulfonyldianiline (Dapsone))	80-08-0	47	16
Damp Building Mold Mixture	DAMPBLDGMOLD	32	3	Daunomycin	20830-81-3	49	17

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ DES (Transgenic model evaluation) (Listed As: Transgenic model evaluation (DES))	56-53-1	55	*	@ Dibromodicyanobutane (Listed As: 1,2-Dibromo-2,4-dicyanobutane)	35691-65-7	52	*
@ DGRE (Listed As: Diglycidyl resorcinol ether (DGRE))	101-90-6	43	16	@ Dibromodicyanobutane (Listed As: 1,2-Dibromo-2,4-dicyanobutane)	35691-65-7	37	16
@ DHPT (Listed As: 4-(6-Methyl-2-benzothiazolyl)-benzenamine)	92-36-4	53	*	@ Dibromodicyanobutane (Listed As: 1,2-Dibromo-2,4-dicyanobutane)	35691-65-7	42	16
@ DIACETYL (Listed As: 2,3-Butanedione)	431-03-8	35	13	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	52	*
Diallyl phthalate	131-17-9	42	16	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	52	*
Diallyl phthalate	131-17-9	42	16	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	37	16
4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt	7336-20-1	42	16	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	42	16
2,4-Diaminoanisole sulfate	39156-41-7	42	16	Dibromodulcitol	10318-26-0	49	17
2,4-Diaminophenol dihydrochloride	137-09-7	42	16	1,2-Dibromoethane	106-93-4	42	16
2,4-Diaminotoluene (2,4-toluene diamine)	95-80-7	42	16	1,2-Dibromoethane	106-93-4	42	16
@ 2,6-Diaminotoluene HCL (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,6-Diaminotoluene 2HCL))	15481-70-6	55	*	Dibromomannitol	488-41-5	49	17
@ 2,6-Diaminotoluene HCL (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,6-Diaminotoluene 2HCL))	15481-70-6	55	*	2,3-Dibromo-1-propanol	96-13-9	42	16
@ 2,4-Diaminotoluene (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,4-Diaminotoluene))	95-80-7	55	*	Dibutyl Phthalate	84-74-2	35	10
@ 2,4-Diaminotoluene (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,4-Diaminotoluene))	95-80-7	55	*	Dibutyl Phthalate	84-74-2	37	16
Diarylanilide yellow	6358-85-6	42	16	Dibutyl Phthalate	84-74-2	37	16
Diazinon	333-41-5	42	16	@ Dibutyl phthalate (Peroxisome project) (Listed As: Peroxisome project (Dibutyl phthalate))	84-74-2	53	*
Diazoaminobenzene	136-35-6	37	16	Dibutyltin diacetate	1067-33-0	42	16
Dibenzo-p-dioxin	262-12-4	42	16	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	38	16
@ DIBP (Listed As: Dibutyl Phthalate)	84-74-2	35	10	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	36	16
@ DIBP (Listed As: Dibutyl Phthalate)	84-74-2	37	16	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	36	16
@ DIBP (Listed As: Dibutyl Phthalate)	84-74-2	37	16	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	43	16
@ Dibromoacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Dibromoacetic acid))	631-64-1	56	*	@ Dichloroacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Dichloroacetic acid))	79-43-6	56	*
@ Dibromoacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Dibromoacetic acid))	631-64-1	49	16	@ Dichloroacetic acid (Water disinfection mode) (Listed As: Water disinfection model (Dichloroacetic acid))	79-43-6	36	16
1,2-Dibromo-3-chloropropane	96-12-8	42	16	@ Dichloroacetic acid (Water disinfection mode) (Listed As: Water disinfection model (Dichloroacetic acid))	79-43-6	36	16
1,2-Dibromo-3-chloropropane	96-12-8	42	16	1,2-Dichlorobenzene (o-dichlorobenzene)	95-50-1	42	16
@ Dibromodicyanobutane (Listed As: 1,2-Dibromo-2,4-dicyanobutane)	35691-65-7	52	*	1,4-Dichlorobenzene (p-dichlorobenzene)	106-46-7	42	16
				5,6-Dichloro-2-benzothiazolamine	24072-75-1	52	*
				2,7-Dichlorodibenzo-p-dioxin	33857-26-0	43	16

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ 1,2-Dichloro-1,1-difluoroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,2-Dichloro-1,1- difluoroethane))	1649-08-7	38	16	Diesel fuel marine	DIESELFUEL	43	16
p,p'-Dichlorodiphenyl dichloroethylene	72-55-9	43	16	Diet Evaluation Study	DIETEVAL	52	*
p,p'-Dichlorodiphenyl sulfone	80-07-9		16	Diethanolamine	111-42-2	38	16
p,p'-Dichlorodiphenyl sulfone	80-07-9	43	16	Diethanolamine	111-42-2	38	16
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	43	16	Diethanolamine	111-42-2	43	16
1,1-Dichloroethane	75-34-3	43	16	@ Diethanolamine (Transgenic LECM) (Listed As: Transgenic LECM (diethanolamine))	111-42-2	56	*
1,2-Dichloroethane	107-06-2	43	16	Diethylamine	109-89-7	43	16
1,2-Dichloroethane	107-06-2	37	16	Di(2-ethylhexyl)adipate	103-23-1	43	16
1,2-Dichloroethane	107-06-2		16	Di(2-ethylhexyl) Phthalate	117-81-7	35	10
1,2-Dichloroethane	107-06-2		16	Di(2-ethylhexyl) Phthalate	117-81-7	35	10
@ Dichloroethylene,1,1 (Listed As: Vinylidene Chloride)	75-35-4	49	16	Di(2-ethylhexyl) Phthalate	117-81-7	52	*
@ Dichloroethylene,1,1 (Listed As: Vinylidene Chloride)	75-35-4	49	16	Di(2-ethylhexyl) Phthalate	117-81-7	33	5
cis & trans 1,2-Dichloroethylene	540-59-0	52	*	Di(2-ethylhexyl) Phthalate	117-81-7	52	*
cis-1,2-Dichloroethylene	156-59-2	52	*	@ Di(2-ethylhexyl) phthalate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Di(2-ethylhexyl) phthalate))	117-81-7	55	*
trans-1,2-Dichloroethylene	156-60-5	52	*	@ Di(2-ethylhexyl) phthalate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Di(2-ethylhexyl) phthalate))	117-81-7	55	*
trans-1,2-Dichloroethylene	156-60-5	52	*	Di(p-ethylphenyl)dichloroethane	72-56-0	43	16
trans-1,2-Dichloroethylene	156-60-5	38	16	Diethyl phthalate	84-66-2	43	16
@ Dichloromethane (Listed As: Methylene chloride)	75-09-2	45	16	Diethyl phthalate/dimethyl phthalate	DIETH/DIMETH	43	16
Dichloromethotrexate	528-74-5	49	17	N,N'-Diethylthiourea	105-55-5	43	16
2,4-Dichlorophenol	120-83-2	43	16	@ 1,2-Difluoro-1,1,2,2- tetrachloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,2-Difluoro- 1,1,2,2-tetrachloroethane))	76-12-0	38	16
2,6-Dichloro-p-phenylenediamine	609-20-1	43	16	Diglycidyl resorcinol ether (DGRE)	101-90-6	43	16
1,2-Dichloropropane (propylene dichloride)	78-87-5	43	16	3,4-Dihydrocoumarin	119-84-6	38	16
1,3-Dichloropropene (Telone II)	542-75-6	43	16	3,4-Dihydrocoumarin	119-84-6	43	16
2,3-Dichloropropylene	78-88-6	52	*	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	38	16
Dichlorvos	62-73-7	43	16	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	43	16
Dichlorvos	62-73-7	43	16	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	38	16
Dicofol	115-32-2	43	16	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	43	16
Dicyclohexylcarbodiimide	538-75-0	36	16	1,2-Dihydro-2,2,4- trimethylquinoline (polymer)	26780-96-1	52	*
Dicyclohexylcarbodiimide	538-75-0	36	16	Diisopropylcarbodiimide	693-13-0	38	16
Dicyclohexylcarbodiimide	538-75-0	36	16	Diisopropylcarbodiimide	693-13-0	36	16
N,N'-Dicyclohexylthiourea	1212-29-9	43	16	Diisopropylcarbodiimide	693-13-0	36	16
2',3'-Dideoxycytidine	7481-89-2	52	*	Diisopropylcarbodiimide	693-13-0	43	16
2',3'-Dideoxycytidine	7481-89-2	52	*	Dimethoate	60-51-5	43	16
2',3'-Dideoxycytidine	7481-89-2	52	*	Dimethoxane	828-00-2	43	16
@ 2',3'-Dideoxycytidine (AIDS Initiative) (Listed As: 2',3'- Dideoxycytidine)	7481-89-2	52	*	2,4-Dimethoxyaniline hydrochloride	54150-69-5	43	16
@ 2',3'-Dideoxycytidine (AIDS Initiative) (Listed As: 2',3'- Dideoxycytidine)	7481-89-2	52	*	3,3'-Dimethoxybenzidine dihydrochloride	20325-40-0	43	16
@ 2',3'-Dideoxycytidine (AIDS Initiative) (Listed As: 2',3'- Dideoxycytidine)	7481-89-2	52	*				
Dieldrin	60-57-1	43	16				
Dieldrin	60-57-1	43	16				

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
3,3'-Dimethoxybenzidine-4,4'-diisocyanate	91-93-0	43	16	@ DMBA/TPA/BPO/MNNG (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
Dimethylamine Borane	74-94-2	33	5	@ DMBA/TPA/BPO/MNNG (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
Dimethylaminopropyl chloride, hydrochloride	5407-04-5	52	*	@ DMBA/TPA/BPO/MNNG (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
Dimethylaminopropyl chloride, hydrochloride	5407-04-5	38	16	@ DMBA/TPA/BPO/MNNG (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
N,N-Dimethylaniline	121-69-7	43	16	@ DMBA/TPA/BPO/MNNG (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
@ 7,12-Dimethylbenz(A)anthracene (DMBA) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16	@ DMDEE (Listed As: 2,2'-Dimorpholinodiethyl Ether)	6425-39-4	33	5
@ 7,12-Dimethylbenz(A)anthracene (DMBA) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16	@ DMVC (Listed As: Dimethylvinyl chloride (DMVC))	513-37-1	43	16
@ 7,12-Dimethylbenz(A)anthracene (DMBA) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16	@ DON (Listed As: Deoxynivalenol)	51481-10-8	32	2
3,3'-Dimethylbenzidine dihydrochloride	612-82-8	43	16	Dong quai (Angelica sinensis root extract)	299184-76-2	32	2
Dimethylcarbamoyl chloride	79-44-7	49	17	Doxylamine	469-21-6	43	16
Dimethylformamide	68-12-2	16		Phenolic Benzotriazoles (Drometrizole)	2440-22-4	33	5
Dimethyl hydrazine (DMH)	57-14-7	49	17	@ EDTA (Listed As: Trisodium ethylenediaminetetraacetate trihydrate (EDTA))	150-38-9	49	16
1,2-Dimethylhydrazine 2HCl	306-37-6	49	17	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	37	16
Dimethyl hydrogen phosphite	868-85-9	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	37	16
Dimethyl methylphosphonate	756-79-6	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dimethyl morpholinophosphoramidate	597-25-1	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dimethyl terephthalate	120-61-6	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
N,N-Dimethyl-p-toluidine	99-97-8	35	10	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
N,N-Dimethyl-p-toluidine	99-97-8	52	*	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
N,N-Dimethyl-p-toluidine	99-97-8	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dimethylvinyl chloride (DMVC)	513-37-1	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
2,2'-Dimorpholinodiethyl Ether	6425-39-4	33	5	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
2,4-Dinitrotoluene	121-14-2	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
1,4-Dioxane	123-91-1	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dioxathion	78-34-2	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
@ Dioxin mixture (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (Dioxin mixture))	TEFDIOXINMIX	48	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Diphenhydramine hydrochloride	147-24-0	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
1,3-Diphenylguanidine	102-06-7	16		@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
5,5-Diphenylhydantoin (phenytoin)	57-41-0	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
@ DIPHONE (Listed As: Bisphenol S)	80-09-1	33	5	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dipropylene glycol	25265-71-8	38	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dipropylene glycol	25265-71-8	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Dipropylene glycol phenyl ether	51730-94-0	32	4	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
2,5-Dithiobiurea	142-46-1	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Divinylbenzene	1321-74-0	52	*	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Divinylbenzene	1321-74-0	43	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
@ DMBA + EMF init prom (Listed As: Magnetic fields + DMBA initiation promotion)	EMF+DMBA	38	16	@ EGMBE (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
				Elmiron (sodium pentosanpolysulfate)	37319-17-8	43	16
				Elmiron (sodium pentosanpolysulfate)	37319-17-8	38	16
				Emetine hydrochloride	316-42-7	43	16
				@ EMF + DMBA init prom (Listed As: Magnetic fields + DMBA initiation promotion)	EMF+DMBA	38	16
				Emodin	518-82-1	43	16
				Endocrine disruptor (Ethinyl estradiol)	57-63-6	43	16
				Endocrine disruptor (Ethinyl estradiol)	57-63-6	43	16

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Endocrine disruptor (Ethinyl estradiol)	57-63-6	43	16	@ Ethylene dibromide (Listed As: 1,2-Dibromoethane)	106-93-4	42	16
Endocrine disruptor (Genistein)	446-72-0	43	16	@ Ethylene dichloride (Listed As: 1,2-Dichloroethane)	107-06-2	43	16
Endosulfan	115-29-7	43	16	@ Ethylene dichloride (Listed As: 1,2-Dichloroethane)	107-06-2	37	16
Endrin	72-20-8	43	16	@ Ethylene dichloride (Listed As: 1,2-Dichloroethane)	107-06-2		16
Ephedrine + caffeine combination	EPHEDCOMBO	52	*	@ Ethylene dichloride (Listed As: 1,2-Dichloroethane)	107-06-2		16
Ephedrine + caffeine combination	EPHEDCOMBO	52	*	Ethylene glycol	107-21-1	44	16
Ephedrine sulfate	134-72-5	43	16	Ethylene glycol monoethyl ether (EGMEE)	110-80-5	38	16
Epichlorhydrin	106-89-8	49	17	Ethylene glycol monoethyl ether (EGMEE)	110-80-5	38	16
Epinephrine hydrochloride	55-31-2	43	16	Ethylene Glycol Monomethyl Ether (EGMME)	109-86-4	38	16
1,2-Epoxybutane	106-88-7	43	16	Ethylene Glycol Monomethyl Ether (EGMME)	109-86-4	38	16
Erythromycin stearate	643-22-1	43	16	Ethylene oxide	75-21-8	44	16
Estradiol mustard	22966-79-6	43	16	Ethylene thiourea (ETU)	96-45-7	44	16
Estragole	140-67-0	52	*	2-Ethylhexyl Diphenyl Phosphate	1241-94-7	52	*
Estragole	140-67-0	38	16	@ 1-Ethyl-3-methylimidazolium Chloride (Ionic Liquid) (Listed As: Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride)	65039-09-0	33	5
1,2-bis(pentabromophenyl)ethane	84852-53-9	33	5	Ethyl tellurac	20941-65-5	44	16
Ethanol	64-17-5	43	16	@ Ethyl tellurac (Listed As: Ethyl tellurac)	20941-65-5	44	16
Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super@; OTNE)	54464-57-2	38	16	2-ethyltoluene	611-14-3	33	5
Ethinyl estradiol	57-63-6	33	5	3-ethyltoluene	620-14-4	33	5
@ Ethinyl estradiol (Endocrine disruptor) (Listed As: Endocrine disruptor (Ethinyl estradiol))	57-63-6	43	16	4-ethyltoluene	622-96-8	33	5
@ Ethinyl estradiol (Endocrine disruptor) (Listed As: Endocrine disruptor (Ethinyl estradiol))	57-63-6	43	16	Ethyl vinyl ketone	1629-58-9	52	*
@ Ethinyl estradiol (Endocrine disruptor) (Listed As: Endocrine disruptor (Ethinyl estradiol))	57-63-6	43	16	Eugenol	97-53-0	44	16
@ Ethinyl estradiol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Ethinyl estradiol))	57-63-6	55	*	@ EVK (Listed As: Ethyl vinyl ketone)	1629-58-9	52	*
@ Ethinyl estradiol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Ethinyl estradiol))	57-63-6	55	*	FD & C Yellow No. 6	2783-94-0	44	16
Ethionamide	536-33-4	43	16	Feed restriction studies	FEEDRESTRICT	44	16
@ Ethoxyethanol (Listed As: NTP-88 diet study (EGMEE))	DIET88+EGMEE	53	*	Formulated fenaminosulf	140-56-7	44	16
Ethoxyquin	91-53-2	52	*	Fenofibrate	49562-28-9	33	5
Ethyl acrylate	140-88-5	44	16	Fenthion	55-38-9	44	16
Ethylbenzene	100-41-4	38	16	Ferrocene	102-54-5	52	*
Ethylbenzene	100-41-4	44	16	@ Firemaster 680 (Listed As: 1,2-Bis(2,4,6-tribromophenoxy)ethane)	37853-59-1	33	5
@ Ethyl bromide (Listed As: Bromoethane (ethyl bromide))	74-96-4	41	16	@ Firemaster FF-1 (Listed As: Polybrominated biphenyl mixture (Firemaster FF-1))	67774-32-7	47	16
@ Ethyl chloride (Listed As: Chloroethane)	75-00-3	41	16	@ Firemaster FF-1 (Listed As: Polybrominated biphenyl mixture (Firemaster FF-1))	67774-32-7	47	16
@ Ethylene chlorohydrin (Listed As: 2-Chloroethanol (ethylene chlorohydrin))	107-07-3	41	16	Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	3296-90-0	44	16
@ Ethylene dibromide (Listed As: 1,2-Dibromoethane)	106-93-4	42	16	Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	3296-90-0	44	16

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Fish Project 1 (Nitromethane)	75-52-5	44	16	@ Flame Retardant 2 (Listed As: Tetrabromobisphenol A-bis(2,3-dibromopropyl ether))	21850-44-2	35	12
Fish Project 1 (Nitromethane)	75-52-5	44	16	@ Flame Retardant 2 (Listed As: 1,3,5,7,9,11-Hexabromocyclododecane)	25637-99-4	33	5
Fish project 1 (1,2,3-Trichloropropane)	96-18-4	44	16	@ Flame Retardant 2 (Listed As: Bis(2-ethylhexyl) tetrabromophthalate)	26040-51-7	33	5
Fish project 1 (1,2,3-Trichloropropane)	96-18-4	44	16	@ Flame Retardant 2 (Listed As: 1,2-Bis(2,4,6-tribromophenoxy)ethane)	37853-59-1	33	5
@ Flame Retardant 1 (Listed As: Triphenyl Phosphate)	115-86-6	56	*	@ Flame Retardant 2 (Listed As: Hexachlorocyclopentadienyl-dibromocyclooctane)	51936-55-1	33	5
@ Flame Retardant 1 (Listed As: Triphenyl Phosphate)	115-86-6	34	5	@ Flame Retardant 2 (Listed As: 1,2-bis(pentabromophenyl)ethane)	84852-53-9	33	5
@ Flame Retardant 1 (Listed As: 2-Ethylhexyl Diphenyl Phosphate)	1241-94-7	52	*	@ Flame Retardant 2 (Listed As: 2-ethylhexyl-2,3,4,5-tetrabromobenzoate)	183658-27-7	33	5
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	@ Flaxseed oil + melatonin (Prevention 1) (Listed As: Prevention 1 (Flaxseed oil + melatonin))	FLAXSEED+MEL	54	*
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	32	2	@ Flaxseed oil (Prevention 1) (Listed As: Prevention 1 (Flaxseed oil))	8001-26-1	54	*
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	Fluometuron	2164-17-2	44	16
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	48	16	Fluorotelomer Alcohol 8+2	678-39-7	32	3
@ Flame Retardant 1 (Listed As: Isodecyl Diphenyl Phosphate)	29761-21-5	53	*	Flusilazole	85509-19-9	52	*
@ Flame Retardant 1 (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	52	*	Flutamide	13311-84-7	52	*
@ Flame Retardant 1 (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	32	2	Formaldehyde	50-00-0	52	*
@ Flame Retardant 1 (Listed As: Isopropylated Phenol Phosphate)	68937-41-7	33	5	Formaldehyde	50-00-0	52	*
@ Flame Retardant 1 (Listed As: Isopropylated Phenol Phosphate)	68937-41-7	53	*	Formamide	75-12-7	38	16
@ Flame Retardant 2 (Listed As: Decabromodiphenyl Ether)	1163-19-5	33	5	Formamide	75-12-7	44	16
@ Flame Retardant 2 (Listed As: Decabromodiphenyl Ether)	1163-19-5	42	16	Formic acid	64-18-6	38	16
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	54	*	Fumonisin B1	116355-83-0		16
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	32	2	Fumonisin B1	116355-83-0	44	16
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	54	*	Furan	110-00-9	50	17
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	33	5	Furan	110-00-9	33	5
@ Flame Retardant 2 (Listed As: Tetrabromobisphenol A-bis(2,3-dibromopropyl ether))	21850-44-2	32	3	Furan	110-00-9	44	16
				Furfural	98-01-1	44	16
				Furfuryl alcohol	98-00-0	38	16
				Furfuryl alcohol	98-00-0	44	16
				@ Furfuryl alcohol (Transgenic LECM) (Listed As: Transgenic LECM (Furfuryl alcohol))	98-00-0	55	*
				Furosemide	54-31-9	44	16
				Gallium arsenide	1303-00-0	38	16
				Gallium arsenide	1303-00-0	44	16
				Gallium oxide	12024-21-4	52	*
				Garcinia Cambogia Extract	90045-23-1	33	5
				@ GCE (Listed As: Garcinia Cambogia Extract)	90045-23-1	33	5
				@ Gemfibrozil (Peroxisome project) (Listed As: Peroxisome project (Gemfibrozil))	25812-30-0	54	*

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ Genistein (Endocrine disruptor) (Listed As: Endocrine disruptor (Genistein))	446-72-0	43	16	Halogenated ethanes CS (1,1,1-Trichloroethane)	71-55-6	38	16
@ Gentian violet (Listed As: Hexamethyl-p-rosaniline chloride)	548-62-9	44	16	Halogenated ethanes CS (1,1,1-Trichloro-2,2,2-trifluoroethane)	354-58-5	38	16
@ Gentian violet (Listed As: Hexamethyl-p-rosaniline chloride)	548-62-9	44	16	@ Harness (R) (Listed As: Acetochlor)	34256-82-1	51	*
Geranyl acetate	105-87-3	44	16	HC Blue 1	2784-94-3	44	16
Ginkgo biloba extract	90045-36-6	44	16	HC Blue 2	33229-34-4	44	16
Ginkgo biloba extract	90045-36-6	33	5	HC Red 3	2871-01-4	44	16
Ginseng	50647-08-0	44	16	HC Yellow 4	59820-43-8	44	16
Ginseng	50647-08-0	33	5	Heptachlor	76-44-8	44	16
Glucosamine	3416-24-8	52	*	1,3,5,7,9,11-Hexabromocyclododecane	25637-99-4	33	5
Glucosamine Hydrochloride + Chondroitin Sulfate	GLUCOSCHONDN	53	*	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	68631-49-2	32	2
Glutaraldehyde	111-30-8	38	16	Hexachlorobenzene	118-74-1	33	5
Glutaraldehyde	111-30-8	44	16	Hexachlorobenzene	118-74-1	35	14
Glycidamide	5694-00-8	44	16	@ 2,2'-4,4',5,5'-hexachlorobiphenyl (PCB 153) (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl))	35065-27-1	48	16
Glycidol	556-52-5	44	16	Hexachloro-1,3-butadiene	87-68-3	38	16
@ Glycidol (Transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Glycidol))	556-52-5	36	16	Hexachlorocyclopentadiene	77-47-4	44	16
@ Glycol (Listed As: Polysorbate 80 (glycol))	9005-65-6	47	16	Hexachlorocyclopentadienyl-dibromocyclooctane	51936-55-1	33	5
Glyoxal	107-22-2	53	*	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	44	16
Glyphosate	1071-83-6	38	16	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	44	16
Glyphosate	1071-83-6	38	16	Hexachloroethane	67-72-1	44	16
Goldenseal extract	84603-60-1	33	5	Hexachloroethane	67-72-1	44	16
Goldenseal root powder	GOLDENSEALRT	38	16	@ Hexachloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (Hexachloroethane))	67-72-1	38	16
Goldenseal root powder	GOLDENSEALRT	44	16	Hexachlorophene	70-30-4	44	16
@ Green, Phthalocyanine (Listed As: C.I. Phthalocyanine green)	1328-53-6	52	*	2,4-Hexadienal	142-83-6	38	16
Green Tea Extract	GREENTEAEXTR	33	5	2,4-Hexadienal	142-83-6	44	16
Green Tea Extract	GREENTEAEXTR	44	16	Hexamethyl-p-rosaniline chloride	548-62-9	44	16
Guanazole	1455-77-2	50	17	Hexamethyl-p-rosaniline chloride	548-62-9	44	16
Guar gum	9000-30-0	44	16	Hexanamide	628-02-4	50	17
Gum Arabic	9000-01-5	44	16	1,6-Hexanediamine dihydrochloride	6055-52-3	38	16
Gum Guggul Extract	GUMGUGGULEXT	53	*	1,6-Hexanediamine dihydrochloride	6055-52-3	38	16
Halogenated ethanes CS (1,2-Dichloro-1,1-difluoroethane)	1649-08-7	38	16	n-Hexane	110-54-3	38	16
Halogenated ethanes CS (1,2-Difluoro-1,1,2,2-tetrachloroethane)	76-12-0	38	16	4-Hexylresorcinol	136-77-6	44	16
Halogenated ethanes CS (Hexachloroethane)	67-72-1	38	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	35	13
Halogenated ethanes CS (Pentabromoethane)	75-95-6	38	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	38	16
Halogenated ethanes CS (Pentachloroethane)	76-01-7	38	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	38	16
Halogenated ethanes CS (1,1,1,2-Tetrabromoethane)	630-16-0	38	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	38	16
Halogenated ethanes CS (1,1,2,2-Tetrabromoethane)	79-27-6	38	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	38	16
Halogenated ethanes CS (1,1,1,2-Tetrachloroethane)	630-20-6	38	16				
Halogenated ethanes CS (1,1,2,2-Tetrachloroethane)	79-34-5	38	16				

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ 4-HPR (Retinoid project 6) (Listed As: Retinoid project 6 (4-HPR))	65646-68-6	54	*	Interferon AD + ddC (AIDS Initiative)	INTDDCCOMB	53	*
Hydrazobenzene	122-66-7	44	16	Interferon A (AIDS Initiative)	76543-88-9	45	16
Hydrochlorothiazide	58-93-5	44	16	Iodinated glycerol	5634-39-9	45	16
Hydroquinone	123-31-9	44	16	Iodoform	75-47-8	45	16
Phenolic Benzotriazoles (3-(2H- Benzotriazol-2-yl)-5-(1,1- dimethylethyl)-4- hydroxybenzenepropanoic acid, octyl ester)	84268-23-5	33	5	Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride	79917-90-1	34	6
2-Hydroxy-4-methoxybenzophenone	131-57-7	35	13	Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride	479500-35-1	33	5
2-Hydroxy-4-methoxybenzophenone	131-57-7	38	16	Ionic Liquid: N-Butylpyridinium Chloride	1124-64-7	33	5
2-Hydroxy-4-methoxybenzophenone	131-57-7	38	16	Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride	65039-09-0	33	5
2-Hydroxy-4-methoxybenzophenone	131-57-7	38	16	Ionic liquid Toxicity	IONICLIQUIDS	53	*
5-(Hydroxymethyl)-2-furfural	67-47-0	38	16	Isobutene	115-11-7	45	16
5-(Hydroxymethyl)-2-furfural	67-47-0	44	16	Isobutyl nitrite	542-56-3	45	16
8-Hydroxyquinoline	148-24-3	44	16	Isobutyraldehyde	78-84-2	38	16
@ 8-Hydroxyquinoline (Transgenic model evaluation) (Listed As: Transgenic model evaluation (8- Hydroxyquinoline))	148-24-3	55	*	Isobutyraldehyde	78-84-2	45	16
@ 8-Hydroxyquinoline (Transgenic model evaluation) (Listed As: Transgenic model evaluation (8- Hydroxyquinoline))	148-24-3	55	*	Isodecyl Diphenyl Phosphate	29761-21-5	53	*
Hydroxyurea	127-07-1	50	17	Isoeugenol	97-54-1	45	16
ICRF-159	21416-87-5	44	16	Isophorone	78-59-1	45	16
@ IDDP (Listed As: Isodecyl Diphenyl Phosphate)	29761-21-5	53	*	Isophosphamide	3778-73-2	45	16
IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)	3458-22-8	44	16	Isoprene	78-79-5	38	16
Indium phosphide	22398-80-7	44	16	Isoprene	78-79-5	45	16
Indole-3-carbinol	700-06-1	35	14	Isoprene	78-79-5		16
Indole-3-carbinol	700-06-1	36	14	Isopropylated Phenol Phosphate	68937-41-7	33	5
@ Indole-3-carbinol (Prevention 4) (Listed As: Prevention 4 (Indole-3-carbinol))	700-06-1	54	*	Isopropylated Phenol Phosphate	68937-41-7	53	*
Indoxacarb	173584-44-6	53	*	Kava kava extract	9000-38-8	45	16
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	44	16	@ Kelthane (Listed As: Dicofol)	115-32-2	43	16
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	44	16	@ Kepone (Listed As: Chlordecone)	143-50-0	41	16
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	44	16	Lasiocarpine	303-34-4	45	16
Insertional mutagenesis (Radiation Levels)	INSERTMUTRAD	53	*	Lauric acid diethanolamine condensate	120-40-1	45	16
Insertional mutagenesis II (SIN vector)	INSERTMUT2	53	*	@ Lauric acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Lauric acid diethanolamine condensate))	120-40-1	55	*
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3	34	8	@ Lauric acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Lauric acid diethanolamine condensate))	120-40-1	55	*
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3	32	4	Lead(2+) acetate	301-04-2	53	*
Insertional mutagenesis (LTR/SIN vectors)	INSERTMUT	53	*	Lead contaminated soil	PBCONTAMSOIL	53	*
Interferon AD (AIDS Initiative)	INTERFERONAD	44	16	Lead dimethyldithiocarbamate	19010-66-3	45	16
Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative)	INTAZTCOMB	44	16	Lead ores	LEADORES	53	*
				Lead oxide	1317-36-8	53	*
				Lead sulfide	1314-87-0	53	*
				Lead sulfide	1314-87-0	53	*
				Leucomalachite green	129-73-7	45	16
				Leucomalachite green	129-73-7	38	16
				Libby Amphibole 2007	LA2007	32	4
				D-Limonene	5989-27-5	45	16
				Lindane	58-89-9	45	16

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Lipopolysaccharides from Escherichia coli	ECOLI_LPS	53	*	@ Melatonin + indole-3-carbinol (Prevention 4)	MEL+INDOLCAR	54	*
Lithocholic acid	434-13-9	45	16	(Listed As: Prevention 4 (Melatonin + indole-3-carbinol))			
Locust bean gum	9000-40-2	45	16	@ Melatonin (Prevention 2)	73-31-4	54	*
Lomustine	13010-47-4	50	17	(Listed As: Prevention 2 (Melatonin))			
1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	35	13	@ Melatonin (Prevention 3)	73-31-4	54	*
1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	34	7	(Listed As: Prevention 3 (Melatonin))			
@ Low isoflavone soy protein powder (Prevention 6)	ISOFLAVSOYPT	54	*	Melphalan	148-82-3	50	17
(Listed As: Prevention 6 (low isoflavone soy protein powder))				@ Melphalan (Transgenic model evaluation)	148-82-3	55	*
@ Luperox TBH70	75-91-2	51	*	(Listed As: Transgenic model evaluation (Melphalan))			
(Listed As: tert-Butyl hydroperoxide)				@ Melphalan (Transgenic model evaluation)	148-82-3	55	*
@ Luperox TBH70	75-91-2	52	*	(Listed As: Transgenic model evaluation (Melphalan))			
(Listed As: tert-Butyl hydroperoxide)				@ Melphalan (Transgenic model evaluation)	148-82-3	55	*
Magnetic fields (EMF)	ELECTROMAG	45	16	(Listed As: Transgenic model evaluation (Melphalan))			
Magnetic fields (EMF)	ELECTROMAG	53	*	@ Melphalan (Transgenic model evaluation)	148-82-3	55	*
Magnetic fields (EMF)	ELECTROMAG	38	16	(Listed As: Transgenic model evaluation (Melphalan))			
Magnetic fields + DMBA initiation promotion	EMF+DMBA	38	16	@ Melphalan (Transgenic model evaluation)	148-82-3	55	*
Malachite green	569-64-2	45	16	(Listed As: Transgenic model evaluation (Melphalan))			
Malachite green	569-64-2	38	16	@ Melphalan (Transgenic model evaluation)	148-82-3	55	*
Malaoxon	1634-78-2	45	16	(Listed As: Transgenic model evaluation (Melphalan))			
Malathion	121-75-5	45	16	DL-menthol	15356-70-4	45	16
Malathion	121-75-5	45	16	2-Mercaptobenzimidazole	583-39-1	53	*
@ Melatonin + silymarin (Prevention 2)	SILYMARN+MEL	54	*	2-Mercaptobenzimidazole	583-39-1	53	*
(Listed As: Prevention 2 (Silymarin + melatonin))				2-Mercaptobenzothiazole	149-30-4	45	16
Malonaldehyde, sodium salt	24382-04-5	45	16	6-Mercaptopurine	50-44-2	50	17
@ MAN	126-98-7		16	Mercuric chloride	7487-94-7	45	16
(Listed As: Methacrylonitrile)				Merphalan	531-76-0	50	17
@ MAN	126-98-7	45	16	Metal working fluids (Syntilo 1023)	SYNTILO1023	53	*
(Listed As: Methacrylonitrile)				Metal Working Fluids: CIMSTAR 3800	CIMSTAR3800	45	16
Manganese sulfate monohydrate	10034-96-5	38	16	Metal working fluids (Trim SC210)	TRIMSC210	53	*
Manganese sulfate monohydrate	10034-96-5	45	16	Metal Working Fluids: TRIM® VX	TRIMVX	45	16
D-Mannitol	69-65-8	45	16	Methacrylonitrile	126-98-7		16
@ Marijuana component	1972-08-3	39	16	Methacrylonitrile	126-98-7	45	16
(Listed As: 1-trans-delta-9-Tetrahydrocannabinol)				Methapyrilene hydrochloride	135-23-9	50	17
@ Marijuana component	1972-08-3	48	16	Methapyrilene hydrochloride	135-23-9	53	*
(Listed As: 1-trans-delta-9-Tetrahydrocannabinol)				Methapyrilene hydrochloride	135-23-9	38	16
Melamine	108-78-1	45	16	Methdilazine	1982-37-2	53	*
Melamine + Cyanuric Acid combination	MELCYANCOMB	33	5	@ N-methololacrylamide (Transgenic model evaluation)	924-42-5	55	*
Melamine + Cyanuric Acid combination	MELCYANCOMB	53	*	(Listed As: Transgenic model evaluation (N-Methylolacrylamide))			
Melamine + Cyanuric Acid combination	MELCYANCOMB	33	5	@ N-methololacrylamide (Transgenic model evaluation)	924-42-5	56	*
Melatonin	73-31-4	53	*	(Listed As: Transgenic model evaluation (N-Methylolacrylamide))			
Melatonin	73-31-4	53	*	Methotrexate	59-05-2	50	17
@ Melatonin + curcumin (Prevention 4)	MEL+CURCUMIN	54	*	6-Methoxy-2-benzothiazolamine	1747-60-0	53	*
(Listed As: Prevention 4 (Melatonin + curcumin))				Methoxychlor	72-43-5	45	16

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ Methoxyethanol (Listed As: NTP-88 diet study (EGMME))	DIET88+EGMME	53	*	Methylphenidate hydrochloride	298-59-9	39	16
2-Methoxy-4-nitroaniline	97-52-9	53	*	Methylphenidate hydrochloride	298-59-9	45	16
8-Methoxypsoralen	298-81-7	45	16	@ Methylphenidate hydrochloride (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Methylphenidate hydrochloride))	298-59-9	56	*
4-(6-Methyl-2-benzothiazolyl)- benzenamine	92-36-4	53	*	alpha-Methylstyrene	98-83-9	53	*
alpha-Methylbenzyl alcohol	98-85-1	45	16	alpha-Methylstyrene	98-83-9	45	16
Methyl bromide	74-83-9	39	16	Methyl trans-styryl ketone	1896-62-4	53	*
Methyl bromide	74-83-9	45	16	Methyl trans-styryl ketone	1896-62-4	53	*
Methyl bromide	74-83-9	39	16	Methyl trans-styryl ketone	1896-62-4	45	16
Methyl carbamate	598-55-0	45	16	Methyl vinyl ketone	78-94-4	53	*
Methyl CCNU	13909-09-6	50	17	@ N-Methyl-N'-nitro-N- nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16
@ Methyl chloroform (Listed As: 1,1,1- Trichloroethane)	71-55-6	48	16	@ N-Methyl-N'-nitro-N- nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16
@ Methyl chloroform (Listed As: 1,1,1- Trichloroethane)	71-55-6	39	16	@ N-Methyl-N'-nitro-N- nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16
Methyl coumarin	92-48-8	53	*	@ N-Methyl-N'-nitro-N- nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16
4-Methylcyclohexanemethanol	34885-03-5	33	5	Mexacarbate	315-18-4	45	16
Methyldopa sesquihydrate	41372-08-1	45	16	Michler's ketone	90-94-8	45	16
4,4'-Methylenebis(N,N- dimethyl)benzenamine	101-61-1	45	16	Microbiome	MICROBIOME	33	5
Methylene bis(thiocyanate)	6317-18-6	39	16	Microcystin-LA (TGMX)	96180-79-9	53	*
Methylene blue trihydrate	7220-79-3	53	*	Microcystin-LR (TGMX)	101043-37-2	53	*
Methylene blue trihydrate	7220-79-3	53	*	Microcystin mixture (TGMX)	MICROCYSTINMX	53	*
Methylene blue trihydrate	7220-79-3	45	16	Milk thistle extract	84604-20-6	45	16
Methylene chloride	75-09-2	45	16	Milk thistle extract	84604-20-6	33	5
4,4'-Methylenedianiline dihydrochloride	13552-44-8	45	16	Mirex	2385-85-5	45	16
Methyl ethyl ketone peroxide	1338-23-4	39	16	Mitomycin C	50-07-7	50	17
Methyl ethyl ketoxime	96-29-7	39	16	Molybdenum trioxide	1313-27-5	39	16
Methyleugenol	93-15-2	33	5	Molybdenum trioxide	1313-27-5	45	16
Methyleugenol	93-15-2	39	16	Monochloroacetic acid	79-11-8	45	16
Methyleugenol	93-15-2	45	16	Monuron	150-68-5	45	16
Methyleugenol (TGMX rat liver evaluation)	93-15-2	53	*	@ 8-MOP (Listed As: 8-Methoxypsoralen)	298-81-7	45	16
2-Methylimidazole	693-98-1	39	16	Mouse ageing study	MOUSEAGE	50	17
2-Methylimidazole	693-98-1	45	16	@ MVK (Listed As: Methyl vinyl ketone)	78-94-4	53	*
4-Methylimidazole	822-36-6	39	16	@ MX (Listed As: 3-Chloro-4- (dichloromethyl)-5-hydroxy- 2(5H)-furanone(MX))	77439-76-0	52	*
4-Methylimidazole	822-36-6	45	16	beta-Myrcene	123-35-3	45	16
Methyl isobutyl ketone	108-10-1	45	16	Myristicin	607-91-0	35	12
Methyl isocyanate	624-83-9	50	17	Nalidixic acid	389-08-2	45	16
6-Methylmercaptapurine ribonucleoside	342-69-8	50	17	Nanoscale Material (Fullerene C60 18 microns)	99685-96-8	32	3
Methyl methacrylate	80-62-6	45	16	Nanoscale material (Fullerene-C60 1 micron)	99685-96-8	35	12
3-Methyl-6-methoxy-2-amino- benzothiazolium chloride	EMTDP-76	53	*	Nanoscale Material (Fullerene C60 200 nanometers)	99685-96-8	32	3
3-Methyl-6-methoxy-2-amino- benzothiazolium chloride	EMTDP-76	53	*				
2-Methyl-1-nitroanthraquinone	129-15-7	45	16				
2-Methyl-1-nitroanthraquinone	129-15-7	50	17				
@ 1-BUTANONE, 4- (METHYLNITROSOAMINO)-1-3- PYRIDINYL)- (9CI) (Listed As: Ozone/NNK)	OZONNNKCOMB	46	16				
N-Methylolacrylamide	924-42-5	45	16				
Methyl parathion	298-00-0	45	16				

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Nanoscale material (Fullerene-C60 50 nanometers)	99685-96-8	35	12	5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	2608-48-2	53	*
Nanoscale material (Quantum dots)	QUANTUMDOTS	53	*	3-Nitropropionic acid	504-88-1	46	16
Nanoscale material (Rutile titanium dioxide)	1317-80-2	53	*	1-Nitropyrene	5522-43-0	39	16
Nanoscale Silver	7440-22-4	33	5	N-Nitrosodiethanolamine	1116-54-7	53	*
Naphthalene	91-20-3	45	16	N-Nitrosodimethylamine (TGMX rat liver evaluation)	62-75-9	53	*
Naphthalene	91-20-3	45	16	N-Nitrosodiphenylamine	86-30-6	46	16
1,5-Naphthalenediamine	2243-62-1	45	16	p-Nitrosodiphenylamine	156-10-5	46	16
N-(1-Naphthyl)ethylenediamine dihydrochloride	1465-25-4	45	16	beta-Nitrostyrene	102-96-5	46	16
Navy fuels JP-5	8008-20-6	45	16	m-Nitrotoluene	99-08-1	39	16
@ NBBS (Listed As: N-Butylbenzenesulfonamide)	3622-84-2	33	5	o-Nitrotoluene	88-72-2	39	16
@ NBBS (Listed As: N-Butylbenzenesulfonamide)	3622-84-2	32	3	o-Nitrotoluene	88-72-2	39	16
@ NBPC (Listed As: Ionic Liquid: N-Butylpyridinium Chloride)	1124-64-7	33	5	o-Nitrotoluene	88-72-2	46	16
NCT/DERT standardization experiment (APAP & AMAP)	NCTSTANDARD	53	*	p-Nitrotoluene	99-99-0	53	*
@ Nevirex (R) (Listed As: Acetochlor)	34256-82-1	51	*	p-Nitrotoluene	99-99-0	39	16
Nickel (II) oxide	1313-99-1	46	16	p-Nitrotoluene	99-99-0	46	16
Nickel sulfate hexahydrate	10101-97-0	46	16	5-Nitro-o-toluidine	99-55-8	46	16
Nickel subsulfide	12035-72-2	46	16	@ NNK (Listed As: Ozone/NNK)	OZONNNKCOMB	46	16
Nithiazide	139-94-6	46	16	@ NTA (Listed As: Nitrilotriacetic acid (NTA))	139-13-9	46	16
Nitrilotriacetic acid (NTA)	139-13-9	46	16	NTP-2000 diet	DIET2000	53	*
Nitrilotriacetic acid trisodium monohydrate	18662-53-8	46	16	NTP 90 diet study	DIET90	50	17
Nitrilotriacetic acid trisodium monohydrate	18662-53-8	46	16	NTP 91/92 diet study	DIET9192	50	17
5-Nitroacenaphthene	602-87-9	46	16	NTP-88 diet study (EGMBE)	DIET88+EGMBE	53	*
3-Nitro-p-acetophenetide	1777-84-0	46	16	NTP-88 diet study (EGMEE)	DIET88+EGMEE	53	*
p-Nitroaniline	100-01-6	16		NTP-88 diet study (EGMME)	DIET88+EGMME	53	*
p-Nitroaniline	100-01-6	46	16	NTP-88 diet study (m-Nitrotoluene)	DIET88+MNITR	53	*
5-Nitro-o-anisidine	99-59-2	46	16	NTP-88 diet study (o-Nitrotoluene)	DIET88+ONITR	53	*
o-Nitroanisole	91-23-6	16		NTP-88 diet study (p-Nitrotoluene)	DIET88+PNITR	53	*
o-Nitroanisole	91-23-6	46	16	Ochratoxin A	303-47-9	46	16
4-Nitroanthranilic acid	619-17-0	46	16	Phenolic Benzotriazoles (Octrizole)	3147-75-9	33	5
Nitrobenzene	98-95-3	53	*	Oleic acid diethanolamine condensate	93-83-4	46	16
6-Nitrobenzimidazole	94-52-0	46	16	@ Oleic acid diethanolamine condensate (transgenic LECM) (Listed As: Transgenic LECM (Oleic acid diethanolamine condensate))	93-83-4	55	*
m-Nitrobenzoic acid	121-92-6	53	*	@ Oleic acid diethanolamine condensate (transgenic LECM) (Listed As: Transgenic LECM (Oleic acid diethanolamine condensate))	93-83-4	55	*
p-Nitrobenzoic acid	62-23-7	39	16	@ Orange 10, C.I.Acid (Listed As: C.I. Acid Orange 10)	1936-15-8	42	16
p-Nitrobenzoic acid	62-23-7	46	16	@ Orange 3, C.I. Acid (Listed As: C.I. Acid Orange 3)	6373-74-6	42	16
Nitrofen	1836-75-5	46	16	Oxazepam	604-75-1	46	16
Nitrofen	1836-75-5	46	16	Oxazepam	604-75-1	46	16
Nitrofurantoin	67-20-9	46	16	4,4'-Oxydianiline	101-80-4	46	16
Nitrofurazone	59-87-0	46	16	Oxymetholone	434-07-1	53	*
Nitrofurazone	59-87-0	50	17	Oxymetholone	434-07-1	46	16
Nitromethane	75-52-5	46	16				
1-Nitronaphthalene	86-57-7	46	16				
p-Nitrophenol	100-02-7	46	16				
2-Nitro-p-phenylenediamine	5307-14-2	46	16				
4-Nitro-o-phenylenediamine	99-56-9	46	16				
5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	2608-48-2	53	*				

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Oxytetracycline hydrochloride	2058-46-0	46	16	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	32	2
Ozone	10028-15-6	46	16	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	53	*
Ozone	10028-15-6	46	16	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	53	*
Ozone/NNK	OZONNNKCOMB	46	16	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	33	5
Parathion	56-38-2	46	16	@ Pentabromoethane (Halogenated ethanes CS)	75-95-6	38	16
@ 2,5-PCADPE (Listed As: 2,5-Pyridinedicarboxylic Acid, Dipropyl Ester)	136-45-8	54	*	(Listed As: Halogenated ethanes CS (Pentabromoethane))			
@ PCB 126/PCDF mixture (TEF transgenics) (Listed As: TEF transgenics (PCB 126 / PCDF mixture))	TEFTGMIXTURE	54	*	Pentachloroanisole	1825-21-4	46	16
@ PCB 126 (TEF transgenics) (Listed As: TEF transgenics (PCB 126))	57465-28-8	54	*	Pentachlorobenzene	608-93-5	39	16
@ PCB 126 (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl))	57465-28-8	48	16	3,3,4,4,5-Pentachlorobiphenyl (PCB 126)	57465-28-8	53	*
@ PCB 153 (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl))	35065-27-1	48	16	@ Pentachlorodibenzofuran (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PCDF (Pentachlorodibenzofuran)))	57117-31-4	47	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	35	12	Pentachloroethane	76-01-7	46	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	35	13	@ Pentachloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (Pentachloroethane))	76-01-7	38	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	37	16	Pentachloronitrobenzene	82-68-8	46	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	37	16	Pentachloronitrobenzene	82-68-8	46	16
@ PCB-118 (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PCB 118))	31508-00-6	47	16	Pentachlorophenol, Dowicide EC-7	87-86-5	46	16
PCN 66/67 comparison study	PCNCOMPARISN	35	14	Pentachlorophenol, DP-2	87-86-5	39	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	35	12	Pentachlorophenol, purified	87-86-5	39	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	35	13	Pentachlorophenol, purified	87-86-5	46	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	37	16	Pentachlorophenol, technical	87-86-5	46	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	37	16	@ Pentachlorophenol (Transgenic LECM) (Listed As: Transgenic LECM (Pentachlorophenol))	87-86-5	55	*
@ PECDF (TEF transgenics) (Listed As: TEF transgenics (PECDF))	57117-31-4	54	*	@ Pentachlorophenol (Transgenic LECM) (Listed As: Transgenic LECM (Pentachlorophenol))	87-86-5	55	*
Penicillin VK	132-98-9	46	16	Pentaerythritol tetranitrate	78-11-5	46	16
2,2',4,4',5-Pentabromodiphenyl Ether	60348-60-9	32	2	Pentaerythritol triacrylate	3524-68-3	36	16
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	46	16	Pentaerythritol triacrylate	3524-68-3	36	16
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	32	3	2,3-Pentanedione	600-14-6	35	12
				@ Perchloroethylene (Listed As: Tetrachloroethylene)	127-18-4	48	16
				@ Perchloroethylene (Listed As: Tetrachloroethylene)	127-18-4	48	16
				Perfluorobutane sulfonate (PFBS)	375-73-5	34	6
				Perfluorodecanoic Acid	335-76-2	34	6
				Perfluorohexane sulfonate potassium salt (PFHKSslt)	3871-99-6	33	5
				Perfluorohexanoic acid (PFHXA)	307-24-4	34	6
				Perfluorononanoic Acid	375-95-1	34	6
				Perfluorooctane Sulfonate	1763-23-1	34	6
				Perfluorooctanoic Acid	335-67-1	35	10
				Perfluorooctanoic Acid	335-67-1	35	10
				Perfluorooctanoic Acid	335-67-1	53	*

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Perfluorooctanoic Acid	335-67-1	34	6	o-Phenylphenol	90-43-7	46	16
Perfluorooctanoic Acid	335-67-1	33	5	N-Phenyl-p-phenylenediamine	101-54-2	46	16
Peroxisome project (Dibutyl phthalate)	84-74-2	53	*	1-Phenyl-2-thiourea	103-85-5	46	16
Peroxisome project (2,4-Dichlorophenoxyacetic acid)	94-75-7	54	*	@ Phenytoin (Listed As: 5,5-Diphenylhydantoin (phenytoin))	57-41-0	43	16
Peroxisome project (Gemfibrozil)	25812-30-0	54	*	@ Phorbol myristate acetate (Listed As: Tetradecanoyl phorbol acetate (TPA))	16561-29-8	54	*
Peroxisome project (WY-14643)	50892-23-4	39	16	Phosphamidon	13171-21-6	46	16
Pesticide/fertilizer contamination--mixture 2	PESTFERTMIX2	39	16	Phosphine	7803-51-2	54	*
Pesticide/fertilizer contamination--mixture 3	PESTFERTMIX3	39	16	Photodieldrin	13366-73-9	46	16
@ PETA (Listed As: Pentaerythritol triacrylate)	3524-68-3	36	16	ortho-Phthalaldehyde	643-79-8	35	12
@ PETA (Listed As: Pentaerythritol triacrylate)	3524-68-3	36	16	Phthalamide	88-96-0	46	16
@ PFDA (Listed As: Perfluorodecanoic Acid)	335-76-2	34	6	Phthalic anhydride	85-44-9	46	16
@ PFNA (Listed As: Perfluorononanoic Acid)	375-95-1	34	6	Picloram	1918-02-1	47	16
@ PGTBE (Listed As: Propylene glycol mono-t-butyl ether)	57018-52-7	47	16	beta-Picoline	108-99-6	47	16
Phenazopyridine hydrochloride	136-40-3	46	16	Piperonyl butoxide	51-03-6	47	16
Phenesterin	3546-10-9	46	16	Piperonyl sulfoxide	120-62-7	47	16
Phenformin hydrochloride	834-28-6	46	16	Pivalolactone	1955-45-9	47	16
Phenobarbital	50-06-6	54	*	Polybrominated biphenyl mixture (Firemaster FF-1)	67774-32-7	47	16
Phenol	108-95-2	46	16	Polybrominated biphenyl mixture (Firemaster FF-1)	67774-32-7	47	16
Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)phenol)	10096-91-0	33	5	Polysorbate 80 (glycol)	9005-65-6	47	16
Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol)	25973-55-1	33	5	Polyurethane	9009-54-5	50	17
Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol)	70321-86-7	33	5	Polyvinyl alcohol	9002-89-5	47	16
Phenolic Benzotriazoles (2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol)	3864-99-1	33	5	Prednisone	53-03-2	50	17
Phenolic Benzotriazoles (Bumetrizole)	3896-11-5	33	5	Pregnancy Rate Comparison Study	PREGRATECOMP	54	*
Phenolphthalein	77-09-8	39	16	Prevention 1 (Melatonin)	73-31-4	54	*
Phenolphthalein	77-09-8	46	16	Prevention 2 (Melatonin)	73-31-4	54	*
@ Phenolphthalein (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Phenolphthalein))	77-09-8	56	*	Prevention 2 (Silymarin)	65666-07-1	54	*
@ Phenolphthalein (Transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Phenolphthalein))	77-09-8	36	16	Prevention 2 (Silymarin + melatonin)	SILYMARN+MEL	54	*
Phenoxybenzamine hydrochloride	63-92-3	46	16	Prevention 3 (Melatonin)	73-31-4	54	*
Phenylbutazone	50-33-9	46	16	Prevention 6 (low isoflavone soy protein powder)	ISOFLAVSOYPT	54	*
p-Phenylenediamine dihydrochloride	624-18-0	46	16	Prevention 4 (Curcumin)	458-37-7	54	*
Phenylephrine hydrochloride	61-76-7	46	16	Prevention 7 (feed controls)	PREVENTION7	54	*
1-Phenyl-3-methyl-5-pyrazolone	89-25-8	46	16	Prevention 1 (Flaxseed oil)	8001-26-1	54	*
N-Phenyl-2-naphthylamine	135-88-6	46	16	Prevention 1 (Flaxseed oil + melatonin)	FLAXSEED+MEL	54	*
				Prevention 4 (Indole-3-carbinol)	700-06-1	54	*
				Prevention 6 (isoflavone concentrate)	ISOFLAVCONCN	54	*
				Prevention 4 (Melatonin)	73-31-4	54	*
				Prevention 5 (Melatonin)	73-31-4	54	*
				Prevention 4 (Melatonin + curcumin)	MEL+CURCUMIN	54	*
				Prevention 4 (Melatonin + indole-3-carbinol)	MEL+INDOLCAR	54	*
				Prevention 10 (Soy isoflavone concentrate)	PREVENTION10	54	*
				Primidone (primaclone)	125-33-7	47	16
				Probenecid	57-66-9	47	16
				Procarbazine hydrochloride	366-70-1	50	17
				Procarbazine hydrochloride	366-70-1	47	16
				Proflavin hydrochloride	952-23-8	47	16

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\* See Appendix, Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared



## Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
Promethazine hydrochloride	58-33-3	39	16
Promethazine hydrochloride	58-33-3	47	16
Propantheline bromide	50-34-0	54	*
Propargyl alcohol	107-19-7	47	16
Propylene	115-07-1	47	16
@ Propylene dichloride (Listed As: 1,2-Dichloropropane (propylene dichloride))	78-87-5	43	16
Propylene glycol mono-t-butyl ether	57018-52-7	47	16
Propylene glycol phenyl ether	770-35-4	33	5
1,2-Propylene oxide	75-56-9	47	16
Propyl gallate	121-79-9	47	16
Propyl-4-hydroxybenzoate	94-13-3	32	2
Pulegone	89-82-7	33	5
Pulegone	89-82-7	47	16
Pyrazinamide	98-96-4	47	16
Pyridine	110-86-1	54	*
Pyridine	110-86-1	47	16
Pyridine	110-86-1	47	16
2,5-Pyridinedicarboxylic Acid, Dipropyl Ester	136-45-8	54	*
@ Pyridine (Transgenic LECM) (Listed As: Transgenic LECM (Pyridine))	110-86-1	55	*
@ Pyridine (Transgenic LECM) (Listed As: Transgenic LECM (Pyridine))	110-86-1	55	*
Pyrilamine	91-84-9	47	16
Pyrimethamine	58-14-0	47	16
Pyrogallol	87-66-1	47	16
QT drugs (bepidil hydrochloride)	74764-40-2	54	*
QT drugs (diltiazem hydrochloride)	33286-22-5	54	*
QT drugs (Loratadine)	79794-75-5	54	*
QT drugs (Lovastatin)	75330-75-5	54	*
QT drugs (sotalol hydrochloride)	959-24-0	54	*
QT drugs (terfenadine)	50679-08-8	54	*
Quercetin	117-39-5	47	16
Rat feed study (TGMX rat liver evaluation)	TGMXRALVFEEED	54	*
@ Red 114, C.I. Acid (Listed As: C.I. Acid Red 114)	6459-94-5	42	16
@ Red 14, C.I. Acid (Listed As: C.I. Acid Red 14)	3567-69-9	42	16
@ Red 9, C.I. Acid (Listed As: C.I. Basic Red 9 Monohydrochloride)	569-61-9	42	16
@ Red 23, C.I. Pigment (Listed As: C.I. Pigment Red 23)	6471-49-4	42	16
@ Red 3, C.I. Pigment (Listed As: C.I. Pigment Red 3)	2425-85-6	42	16
@ Red Dog Mine Ore (Alaska) (Listed As: Lead ores)	LEADORES	53	*
@ Red 3, HC (Listed As: HC Red 3)	2871-01-4	44	16
@ Red No. 9, D&C (Listed As: D&C Red No. 9)	5160-02-1	42	16

## Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
Reserpine	50-55-5	47	16
Reserpine	50-55-5	54	*
Resorcinol	108-46-3	47	16
@ Resorcinol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Resorcinol))	108-46-3	56	*
@ Resorcinol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Resorcinol))	108-46-3	56	*
Resveratrol	501-36-0	34	8
Retinoid project 2 (4-(Hydroxyphenyl)retinamide)	65646-68-6	54	*
Retinoid project 1	RETINOID1	54	*
Retinoid project 3 (Retinol acetate)	127-47-9	54	*
Retinoid project 4 (4-(Hydroxyphenyl)retinamide)	65646-68-6	54	*
Retinoid project 5 (4-(Hydroxyphenyl)retinamide)	65646-68-6	54	*
Retinoid project 6 (Arotinoid)	125533-88-2	54	*
Retinoid project 3 (Arotinoid)	125533-88-2	54	*
Retinoid project 5 (Arotinoid)	125533-88-2	54	*
Retinoid project 6 (4-HPR)	65646-68-6	54	*
All-trans-retinyl palmitate	79-81-2	47	16
Retroviral vectors	RETROVIRVECT	54	*
Retroviral vectors	RETROVIRVECT	54	*
Retroviral vectors	RETROVIRVECT	54	*
Retroviral vectors	RETROVIRVECT	54	*
Rhodamine 6G	989-38-8	47	16
@ Rhothane (TDE) (Listed As: Tetrachlorodiphenylethane)	72-54-8	48	16
Riddelliine	23246-96-0	39	16
Riddelliine	23246-96-0	47	16
@ Ritalin hydrochloride (Listed As: Methylphenidate hydrochloride)	298-59-9	39	16
@ Ritalin hydrochloride (Listed As: Methylphenidate hydrochloride)	298-59-9	45	16
Rotenone	83-79-4	50	17
Rotenone	83-79-4	47	16
@ Rotenone (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Rotenone))	83-79-4	56	*
@ Rotenone (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Rotenone))	83-79-4	56	*
@ Roundup® (Listed As: Glyphosate)	1071-83-6	38	16
@ Roundup® (Listed As: Glyphosate)	1071-83-6	38	16
Roxarsone	121-19-7	47	16
Safflower oil	8001-23-8	47	16
Salicylazosulfapyridine	599-79-1	39	16
Salicylazosulfapyridine	599-79-1	47	16

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ Salicylic acid (alpha/beta Hydroxy acids) (Listed As: alpha/beta Hydroxy acids (glycolic acid, salicylic acid))	HYDROXYGLYSAL	40	16	Sodium selenate	13410-01-0	39	16
Scopolamine hydrobromide trihydrate	6533-68-2	39	16	Sodium selenite	10102-18-8	39	16
Scopolamine hydrobromide trihydrate	6533-68-2	54	*	Sodium thioglycolate	367-51-1	39	16
Scopolamine hydrobromide trihydrate	6533-68-2	47	16	Sodium Tungstate Dihydrate	10213-10-2	35	10
@ Selenate, Sodium (Listed As: Sodium selenate)	13410-01-0	39	16	Sodium xylenesulfonate	1300-72-7	39	16
@ Selenite, Sodium (Listed As: Sodium selenite)	10102-18-8	39	16	Sodium xylenesulfonate	1300-72-7	47	16
Selenium sulfide	7446-34-6	47	16	@ Spy Dust (Listed As: 5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD))	2608-48-2	53	*
Selenium sulfide	7446-34-6	47	16	@ Spy Dust (Listed As: 5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD))	2608-48-2	53	*
Selsun	EMTDP-74	47	16	Stachybotrys chartarum	67892-26-6	32	3
Senna (powdered)	8013-11-4	39	16	Stachybotrys chartarum strain 1 mold (macrocyclic trichothecene chemotype)	STACHYSTRN1	32	3
Senna (powdered)	8013-11-4	39	16	Stachybotrys chartarum strain 2 mold (atranone chemotype)	STACHYSTRN2	32	3
Serotype 5 Adeno-associated Viral Vector (rAAV5SCTLA4:Ig)	RAV5SCTLA4IG	35	14	Stannous chloride	7772-99-8	47	16
Serotype 2 Adeno-associated Viral Vector rAAV2rapahEpo	AAVIRA0VHEPO	35	14	Stoddard solvent (type LIC)	64742-88-7	47	16
Serotype 2 Adeno-associated Viral Vector hAQP1 (rAAV2hAQP1)	AAV2HAQP1	35	12	Streptozotocin	18883-66-4	50	17
Silica, crystalline - quartz	14808-60-7	54	*	Styrene	100-42-5	47	16
Silica, crystalline - quartz	14808-60-7	54	*	Styrene	100-42-5	54	*
Silica, crystalline - quartz	14808-60-7	54	*	Styrene-acrylonitrile trimer	SANTRIMER2	47	16
@ Silymarin + melatonin (Prevention 2) (Listed As: Prevention 2 (Silymarin + melatonin))	SILYMARN+MEL	54	*	Styrene oxide	96-09-3	50	17
@ SILYMARIN (PREVENTION 2) (Listed As: Prevention 2 (Silymarin))	65666-07-1	54	*	Succinic anhydride	108-30-5	47	16
Simazine	122-34-9	54	*	Sulfallate	95-06-7	47	16
Sodium azide	26628-22-8	47	16	Sulfamethazine	57-68-1	47	16
@ Sodium bromate (Water disinfection mode) (Listed As: Water disinfection model (Sodium bromate))	7789-38-0	36	16	Sulfamethazine	57-68-1	47	16
@ Sodium bromate (Water disinfection mode) (Listed As: Water disinfection model (Sodium bromate))	7789-38-0	36	16	Sulfisoxazole	127-69-5	47	16
@ Sodium bromate (Water disinfection mode) (Listed As: Water disinfection model (Sodium bromate))	7789-38-0	36	16	Sulfolane	126-33-0	34	6
@ Sodium chlorate (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Sodium chlorate))	7775-09-9	49	16	Sulfolane	126-33-0	34	8
Sodium cyanide	143-33-9		16	3-Sulfolene	77-79-2	47	16
Sodium dichromate dihydrate (VI)	7789-12-0	47	16	4,4'-Sulfonyldianiline (Dapsone)	80-08-0	47	16
Sodium dichromate dihydrate (VI)	7789-12-0	39	16	@ Sunett (Listed As: Transgenic Model Evaluation II (Acesulfame Potassium))	55589-62-3	36	16
Sodium diethyldithiocarbamate	148-18-5	47	16	Talc	14807-96-6	47	16
Sodium Fluoride	7681-49-4	47	16	Tara gum	39300-88-4	47	16
Sodium Fluoride	7681-49-4	50	17	@ TBA (Listed As: tert-Butyl alcohol)	75-65-0	41	16
Sodium Metavanadate	13718-26-8	33	5	@ TBA (Listed As: tert-Butyl alcohol)	75-65-0	37	16
Sodium nitrite	7632-00-0	39	16	@ TBBC (Listed As: 4,4-Thiobis(6-tert-butyl-m-cresol))	96-69-5	54	*
Sodium nitrite	7632-00-0	47	16	@ TBBC (Listed As: 4,4-Thiobis(6-tert-butyl-m-cresol))	96-69-5	48	16
				@ TBDP (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	52	*
				@ TBDP (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	32	2
				@ TBE (Listed As: Halogenated ethanes CS (1,1,2,2-Tetrabromoethane))	79-27-6	38	16

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Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ TCAB (Listed As: 3,3',4,4'-Tetrachloroazobenzene)	14047-09-7	54	*	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118)	TEFPCEBMIX	47	16
@ TCAB (Listed As: 3,3',4,4'-Tetrachloroazobenzene)	14047-09-7	39	16	Toxic equivalency factor evaluation (TCDD)	1746-01-6	47	16
@ TCAB (Listed As: 3,3',4,4'-Tetrachloroazobenzene)	14047-09-7	39	16	TEF transgenics (PCB 126)	57465-28-8	54	*
@ TCAB (Listed As: 3,3',4,4'-Tetrachloroazobenzene)	14047-09-7	48	16	TEF transgenics (PCB 126 / PECDF mixture)	TEFTGMIXTURE	54	*
@ TCAB (Listed As: 3,3',4,4'-Tetrachloroazobenzene)	14047-09-7	33	5	TEF transgenics (PECDF)	57117-31-4	54	*
@ TCAOB (Listed As: 3,3',4,4'-Tetrachloroazoxybenzene)	21232-47-3	39	16	TEF transgenics (TCDD)	1746-01-6	54	*
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	@ TELONE II (Listed As: 1,3-Dichloropropene (Telone II))	542-75-6	43	16
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	@ TEMIK (Listed As: Aldicarb)	116-06-3	40	16
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	2-ethylhexyl-2,3,4,5-tetrabromobenzoate	183658-27-7	33	5
@ TCDD (TEF transgenics) (Listed As: TEF transgenics (TCDD))	1746-01-6	54	*	Tetrabromobisphenol A	79-94-7	54	*
@ TCDD (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (TCDD))	1746-01-6	47	16	Tetrabromobisphenol A	79-94-7	33	5
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	Tetrabromobisphenol A	79-94-7	48	16
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	32	2	Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	21850-44-2	32	3
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	21850-44-2	35	12
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	48	16	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	54	*
@ TCPP (Listed As: Tris(Chloropropyl)phosphate)	13674-84-5	34	5	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	32	2
@ TCPP (Listed As: Tris(Chloropropyl)phosphate)	13674-84-5	34	8	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	54	*
Tebufenpyrad	119168-77-3	54	*	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	33	5
Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153)	TEFBINARYMIX	47	16	@ 1,1,1,2-Tetrabromoethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,1,1,2-Tetrabromoethane))	630-16-0	38	16
Toxic equivalency factor evaluation (PECDF (Pentachlorodibenzofuran))	57117-31-4	47	16	Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	33	5
Toxic equivalency factor evaluation (PCB 118)	31508-00-6	47	16	@ 1,1,1,2-Tetrachloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,1,1,2-Tetrachloroethane))	630-20-6	38	16
				3,3',4,4'-Tetrachloroazobenzene	14047-09-7	54	*
				3,3',4,4'-Tetrachloroazobenzene	14047-09-7	39	16
				3,3',4,4'-Tetrachloroazobenzene	14047-09-7	39	16
				3,3',4,4'-Tetrachloroazobenzene	14047-09-7	48	16
				3,3',4,4'-Tetrachloroazobenzene	14047-09-7	33	5
				3,3',4,4'-Tetrachloroazoxybenzene	21232-47-3	39	16
				1,2,4,5-Tetrachlorobenzene	95-94-3	39	16
				2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	48	16
				2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	48	16
				Tetrachlorodiphenylethane	72-54-8	48	16
				1,1,1,2-Tetrachloroethane	630-20-6	48	16
				1,1,2,2-Tetrachloroethane	79-34-5	48	16
				1,1,2,2-Tetrachloroethane	79-34-5	39	16
				1,1,2,2-Tetrachloroethane	79-34-5	54	*
				1,1,2,2-Tetrachloroethane	79-34-5	39	16

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
@ 1,1,2,2-Tetrachloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,1,2,2- Tetrachloroethane))	79-34-5	38	16	4,4-Thiobis(6-tert-butyl-m- cresol)	96-69-5	48	16
Tetrachloroethylene	127-18-4	48	16	4,4'-Thiodianiline	139-65-1	48	16
Tetrachloroethylene	127-18-4	48	16	beta-Thioguanidine deoxyriboside	789-61-7	48	16
2,3,5,6-Tetrachloro-4- nitroanisole	2438-88-2	48	16	Thiophene	110-02-1	54	*
Tetrachlorophthalic anhydride	117-08-8	39	16	@ thio-TEPA (Listed As: tris(Aziridinyl)- phosphine sulfide (Thio-TEPA))	52-24-4	48	16
Tetrachlorvinphos	961-11-5	48	16	@ THPC (Listed As: Tetrakis(hydroxymethyl)phosphonium chloride)	124-64-1	48	16
Tetracycline hydrochloride	64-75-5	48	16	@ THPS (Listed As: Tetrakis(hydroxymethyl)phosphonium sulfate)	55566-30-8	48	16
Tetradecanoyl phorbol acetate (TPA)	16561-29-8	54	*	alpha-Thujone	546-80-5	39	16
@ Tetradecanoylphorbol acetate (TPA) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16	alpha/beta Thujone mixture	76231-76-0	33	5
@ Tetradecanoylphorbol acetate (TPA) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16	alpha/beta Thujone mixture	76231-76-0	39	16
@ Tetradecanoylphorbol acetate (TPA) (Listed As: Init/prom comparative mouse study (DMBA/ TPA/BPO/MNNG))	INIT/PROM	44	16	alpha/beta Thujone mixture	76231-76-0	48	16
@ Tetradecanoyl phorbol acetate (TPA) (Transgenic LECM) (Listed As: Transgenic LECM (Tetradecanoyl phorbol acetate (TPA)))	16561-29-8	55	*	Titanium dioxide	13463-67-7	48	16
Tetraethylthiuram disulfide	97-77-8	48	16	Titanocene dichloride	1271-19-8	48	16
Tetrafluoroethylene	116-14-3	39	16	@ TMPTA (Listed As: Trimethylolpropane triacylate)	15625-89-5	36	16
Tetrafluoroethylene	116-14-3	48	16	@ TMPTA (Listed As: Trimethylolpropane triacylate)	15625-89-5	36	16
1-trans-delta-9- Tetrahydrocannabinol	1972-08-3	39	16	@ TMPTA (Listed As: Trimethylolpropane triacylate)	15625-89-5	48	16
1-trans-delta-9- Tetrahydrocannabinol	1972-08-3	48	16	D-alpha-Tocopheryl acetate	58-95-7	54	*
Tetrahydrofuran	109-99-9	54	*	Tolazamide	1156-19-0	48	16
Tetrahydrofuran	109-99-9	39	16	Tolbutamide	64-77-7	48	16
Tetrahydrofuran	109-99-9	48	16	Toluene	108-88-3	48	16
Tetrakis(hydroxymethyl)phosphonium chloride	124-64-1	48	16	Toluene	108-88-3	39	16
Tetrakis(hydroxymethyl)phosphonium sulfate	55566-30-8	48	16	2,6-Toluenediamine dihydrochloride (2,6-diaminotoluene dihydrochloride)	15481-70-6	48	16
Tetralin	119-64-2	48	16	2,5-Toluenediamine sulfate	6369-59-1	48	16
Tetranitromethane	509-14-8	48	16	2,4- & 2,6-Toluene diisocyanate	26471-62-5	48	16
@ TGMX rat liver evaluation) (Methyleugenol) (Listed As: Methyleugenol (TGMX rat liver evaluation))	93-15-2	53	*	p-Toluenesulfonamide	70-55-3	39	16
@ TGMX rat liver evaluation (N- Nitrosodimethylamine) (Listed As: N- Nitrosodimethylamine (TGMX rat liver evaluation))	62-75-9	53	*	o-Toluidine hydrochloride	636-21-5	48	16
Theophylline	58-55-9	39	16	o-Toluidine hydrochloride	636-21-5	39	16
Theophylline	58-55-9	39	16	p-Toluidine	106-49-0	35	10
Theophylline	58-55-9	48	16	p-Tolylurea	622-51-5	50	17
4,4-Thiobis(6-tert-butyl-m- cresol)	96-69-5	54	*	Toxaphene	8001-35-2	48	16
				Toxic equivalency factor evaluation (Dioxin mixture)	TEFDIOXINMIX	48	16
				Toxic equivalency factor evaluation (PCB 153- 2,2'- 4,4',5,5'-hexachlorobiphenyl)	35065-27-1	48	16
				Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl)	57465-28-8	48	16
				Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX)	TGMXFLAVCLAS	55	*
				Transgenic LECM (1-Chloro-2-propanol, technical)	127-00-4	55	*
				Transgenic LECM (1-Chloro-2-propanol, technical)	127-00-4	55	*

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CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Transgenic LECM (Coconut oil acid diethanolamine condensate)	68603-42-9	55	*	Transgenic model evaluation (Ethinyl estradiol)	57-63-6	55	*
Transgenic LECM (Coconut oil acid diethanolamine condensate)	68603-42-9	55	*	Transgenic model evaluation (8-Hydroxyquinoline)	148-24-3	55	*
Transgenic LECM (Furfuryl alcohol)	98-00-0	55	*	Transgenic model evaluation (8-Hydroxyquinoline)	148-24-3	55	*
Transgenic LECM (Lauric acid diethanolamine condensate)	120-40-1	55	*	Transgenic Model Evaluation II (Acesulfame Potassium)	55589-62-3	36	16
Transgenic LECM (Lauric acid diethanolamine condensate)	120-40-1	55	*	Transgenic model evaluation II (Aspartame)	22839-47-0	36	16
Transgenic LECM (Oleic acid diethanolamine condensate)	93-83-4	55	*	Transgenic model evaluation II (Aspartame)	22839-47-0	36	16
Transgenic LECM (Oleic acid diethanolamine condensate)	93-83-4	55	*	Transgenic model evaluation II (Benzene)	71-43-2	36	16
Transgenic LECM (Pentachlorophenol)	87-86-5	55	*	Transgenic model evaluation II (Glycidol)	556-52-5	36	16
Transgenic LECM (Pentachlorophenol)	87-86-5	55	*	Transgenic model evaluation II (Phenolphthalein)	77-09-8	36	16
Transgenic LECM (Pyridine)	110-86-1	55	*	Transgenic model evaluation (Melphalan)	148-82-3	55	*
Transgenic LECM (Pyridine)	110-86-1	55	*	Transgenic model evaluation (Melphalan)	148-82-3	55	*
Transgenic LECM (Tetradecanoyl phorbol acetate (TPA))	16561-29-8	55	*	Transgenic model evaluation (Melphalan)	148-82-3	55	*
Transgenic LEP (p-Anisidine hydrochloride)	20265-97-8	55	*	Transgenic model evaluation (Melphalan)	148-82-3	55	*
Transgenic LEP (Cyclosporin A)	59865-13-3	55	*	Transgenic model evaluation (Melphalan)	148-82-3	55	*
Transgenic LEP (Melphalan)	148-82-3	55	*	Transgenic model evaluation (Melphalan)	148-82-3	55	*
Transgenic LEP (p-Cresidine)	120-71-8	55	*	Transgenic model evaluation (N-Methylolacrylamide)	924-42-5	55	*
Transgenic LEP (Resorcinol)	108-46-3	55	*	Transgenic model evaluation (N-Methylolacrylamide)	924-42-5	56	*
Transgenic LEP (Vinyl carbamate)	15805-73-9	55	*	Transgenic model evaluation (Methylphenidate hydrochloride)	298-59-9	56	*
Transgenic model evaluation (p-Anisidine HCl)	20265-97-8	55	*	Transgenic model evaluation (Phenolphthalein)	77-09-8	56	*
Transgenic model evaluation (Bromodichloromethane)	75-27-4	55	*	Transgenic model evaluation (Resorcinol)	108-46-3	56	*
Transgenic model evaluation (Bromodichloromethane)	75-27-4	55	*	Transgenic model evaluation (Resorcinol)	108-46-3	56	*
Transgenic model evaluation (Cyclophosphamide monohydrate)	6055-19-2	55	*	Transgenic model evaluation (Rotenone)	83-79-4	56	*
Transgenic model evaluation (Cyclophosphamide monohydrate)	6055-19-2	55	*	Transgenic model evaluation (Rotenone)	83-79-4	56	*
Transgenic model evaluation (Cyclosporin A)	59865-13-3	55	*	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	56	*
Transgenic model evaluation (Cyclosporin A)	59865-13-3	55	*	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	56	*
Transgenic model evaluation (DES)	56-53-1	55	*	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	56	*
Transgenic model evaluation (DES)	56-53-1	55	*	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	56	*
Transgenic model evaluation (DES)	56-53-1	55	*	Transgenic model evaluation (WY-14643)	50892-23-4	56	*
Transgenic model evaluation (2,4-Diaminotoluene)	95-80-7	55	*	Transgenic model evaluation (WY-14643)	50892-23-4	56	*
Transgenic model evaluation (2,4-Diaminotoluene)	95-80-7	55	*	Transgenic LECM (diethanolamine)	111-42-2	56	*
Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	15481-70-6	55	*	Tremolite	14567-73-8	48	16
Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	15481-70-6	55	*	Triamterene	396-01-0	56	*
Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	117-81-7	55	*	Triamterene	396-01-0	48	16
Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	117-81-7	55	*				
Transgenic model evaluation (Ethinyl estradiol)	57-63-6	55	*				

@ Denotes common names--see following line for correct name.

\* See Appendix, Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

## Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
Tribromomethane	75-25-2	48	16
Tricaprylin	538-23-8	48	16
Trichlorfon	52-68-6	56	*
1,1,1-Trichloroethane	71-55-6	48	16
1,1,1-Trichloroethane	71-55-6	39	16
1,1,2-Trichloroethane	79-00-5	48	16
@ 1,1,1-Trichloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,1,1- Trichloroethane))	71-55-6	38	16
Trichloroethylene	79-01-6	48	16
Trichloroethylene	79-01-6	48	16
Trichloroethylene	79-01-6	48	16
Trichloroethylene	79-01-6	48	16
Trichloroethylene	79-01-6	56	*
Trichloroethylene	79-01-6	56	*
Trichlorofluoromethane	75-69-4	48	16
2,4,6-Trichlorophenol	88-06-2	48	16
1,2,3-Trichloropropane	96-18-4	56	*
1,2,3-Trichloropropane	96-18-4	48	16
@ 1,1,1-Trichloro-2,2,2- trifluoroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,1,1-Trichloro- 2,2,2-trifluoroethane))	354-58-5	38	16
Triclocarban	101-20-2	32	3
Triclosan	3380-34-5	56	*
Triclosan	3380-34-5	34	8
Triclosan	3380-34-5	33	5
Tricresyl Phosphate	1330-78-5	56	*
Tricresyl Phosphate	1330-78-5	32	2
Tricresyl Phosphate	1330-78-5	56	*
Tricresyl Phosphate	1330-78-5	48	16
Triethanolamine	102-71-6	56	*
Triethanolamine	102-71-6	56	*
Triethanolamine	102-71-6	56	*
Triethanolamine	102-71-6	48	16
Triethanolamine	102-71-6	48	16
Triethylamine	121-44-8		12
Trifluralin	1582-09-8	48	16
Trimellitic anhydride	552-30-7	56	*
Trimellitic anhydride	552-30-7	56	*
2,4,5-Trimethylaniline	137-17-7	48	16
1,2,4-trimethylbenzene	95-63-6	34	5
Trimethylolpropane triacrylate	15625-89-5	36	16
Trimethylolpropane triacrylate	15625-89-5	36	16
Trimethylolpropane triacrylate	15625-89-5	48	16
Trimethylphosphate	512-56-1	48	16
Trimethylsilyldiazomethane (TMSD)	18107-18-1	34	5
Trimethylthiourea	2489-77-2	48	16
2,4,7-Trinitro-fluoren-9-one	129-79-3	39	16
2,4,7-Trinitro-fluoren-9-one	129-79-3	39	16
Tripelennamine hydrochloride	154-69-8	56	*
Triphenyl Phosphate	115-86-6	56	*
Triphenyl Phosphate	115-86-6	34	5

## Alphabetical Index of Chemicals with Reference Location

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Triphenyltin hydroxide	76-87-9	48	16
Triprolidine	486-12-4	48	16
tris(Aziridinyl)-phosphine sulfide (Thio-TEPA)	52-24-4	48	16
Tris(2-Chloroethyl) Phosphate	115-96-8	48	16
Tris(Chloropropyl)phosphate	13674-84-5	34	5
Tris(Chloropropyl)phosphate	13674-84-5	34	8
tris(2,3-Dibromopropyl) phosphate	126-72-7	48	16
tris(2-Ethylhexyl)phosphate	78-42-2	49	16
Trisodium ethylenediaminetetraacetate trihydrate (EDTA)	150-38-9	49	16
L-Tryptophan	73-22-3	49	16
Turmeric, oleoresin (curcumin)	8024-37-1	49	16
Uracil mustard	66-75-1	50	17
Urethane	51-79-6	39	16
Urethane	51-79-6	49	16
Urethane + ethanol (combination)	URETHCOMB	39	16
Urethane + ethanol (combination)	URETHCOMB	49	16
Usnea Lichen	USNEALICHEN	34	6
(+)-Usnic Acid	7562-61-0	34	6
Valerian (Valeriana officinalis L.) root extract	8057-49-6	34	5
Vanadium pentoxide	1314-62-1	39	16
Vanadium pentoxide	1314-62-1	49	16
Vanadyl sulfate	27774-13-6	34	5
Vinblastine	865-21-4	50	17
Vincamine	1617-90-9	56	*
Vinclozolin	50471-44-8	56	*
Vincristine	57-22-7	50	17
4-Vinylcyclohexene	100-40-3	49	16
4-Vinyl-1-cyclohexene diepoxide	106-87-6	49	16
Vinylidene Chloride	75-35-4	49	16
Vinylidene Chloride	75-35-4	49	16
Vinylidene fluoride	75-38-7	56	*
Vinyl toluene	25013-15-4	49	16
@ Vitamin C (Listed As: L-Ascorbic acid)	50-81-7	40	16
@ Vitamin E Acetate (Listed As: D-alpha-Tocopheryl acetate)	58-95-7	54	*
Water Damaged Building Mold Mixture	H2ODAMAGEMLD	32	3
Water disinfection byproducts (Bromochloroacetic acid)	5589-96-8	49	16
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	34	5
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	56	*
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	49	16
Water disinfection byproducts (Bromodichloromethane)	75-27-4	56	*
Water disinfection byproducts (Bromodichloromethane)	75-27-4	56	*
Water disinfection byproducts (Bromodichloromethane)	75-27-4	49	16
Water disinfection byproducts (Dibromoacetic acid)	631-64-1	56	*

@ Denotes common names--see following line for correct name.

\* See Appendix, Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
Water disinfection byproducts (Dibromoacetic acid)	631-64-1	49	16	@ Yellow No. 11, D & C (Listed As: D&C Yellow No. 11)	8003-22-3	42	16
Water disinfection byproducts (Dibromoacetonitrile)	3252-43-5	49	16	@ Yellow No. 6, FD & C (Listed As: FD & C Yellow No. 6)	2783-94-0	44	16
Water disinfection byproducts (Dichloroacetic acid)	79-43-6	56	*	Zearalenone	17924-92-4	49	16
Water disinfection byproducts (Sodium chlorate)	7775-09-9	49	16	Zinc Carbonate, Basic	5263-02-5	35	13
Water disinfection model (Bromodichloromethane)	75-27-4	36	16	Ziram	137-30-4	49	16
Water disinfection model (Bromodichloromethane)	75-27-4	36	16				
Water disinfection model (Bromodichloromethane)	75-27-4	36	16				
Water disinfection model (Bromodichloromethane)	75-27-4	36	16				
Water disinfection model (Bromodichloromethane)	75-27-4	36	16				
Water disinfection model (Dichloroacetic acid)	79-43-6	36	16				
Water disinfection model (Dichloroacetic acid)	79-43-6	36	16				
Water disinfection model (Dichloroacetic acid)	79-43-6	36	16				
Water disinfection model (Sodium bromate)	7789-38-0	36	16				
Water disinfection model (Sodium bromate)	7789-38-0	36	16				
Water disinfection model (Sodium bromate)	7789-38-0	36	16				
Welding fumes	STEELWELDFUM	56	*				
@ West Fork Mine Ore (Missouri) (Listed As: Lead ores)	LEADORES	53	*				
Wollastonite calcium silicates	13983-17-0	50	17				
@ WY-14643 (Peroxisome project) (Listed As: Peroxisome project (WY-14643))	50892-23-4	39	16				
@ WY-14643 (Transgenic model evaluation) (Listed As: Transgenic model evaluation (WY-14643))	50892-23-4	56	*				
@ WY-14643 (Transgenic model evaluation) (Listed As: Transgenic model evaluation (WY-14643))	50892-23-4	56	*				
Wyeth 14,643 (WY)	50892-23-4	35	12				
Wyeth 14,643 (WY)	50892-23-4	56	*				
Xylenes (mixed)	1330-20-7	49	16				
2,6-Xylidine	87-62-7	49	16				
@ Yellow 12, C.I. Pigment (Listed As: Diarylanilide yellow)	6358-85-6	42	16				
@ Yellow 3, C.I. Disperse (Listed As: C.I. Disperse Yellow 3)	2832-40-8	42	16				
@ Yellow 14, C.I. Solvent (Listed As: C.I. Solvent Yellow 14)	842-07-9	42	16				
@ Yellow 4, C.I. Vat (Listed As: C.I. Vat Yellow 4)	128-66-5	42	16				
@ Yellow 4, HC (Listed As: HC Yellow 4)	59820-43-8	44	16				
@ Yellow No. 11, D & C (Listed As: D&C Yellow No. 11)	8003-22-3	37	16				

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\* See Appendix, Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

## Ref No. 2

## Chemicals with Project Leader Assigned/Study in Design

CHEMICAL NAME	PRIMARY CAS NUMBER	USE
Aluminum fluoride	7784-18-1	ENVH/SYN
Annatto	1393-63-1	COSM/NATL
Artificial Butter Flavoring Mixture	BUTTERFLAVMX	SYN
BDE Toxicogenomics Study (TGMX)	TGMXBDECLASS	
tert-Butylphenyl Diphenyl Phosphate	56803-37-3	
bis(2-Chloroethoxy)methane	111-91-1	SOLV/SYN
Deoxynivalenol	51481-10-8	COMT/NATL
2,6-Diaminopyridine	141-86-6	INTR/SYN
3-(Dimethylamino)propylamine	109-55-7	DTRG/SYN
Dong quai (Angelica sinensis root extract)	299184-76-2	DIET
2-Ethylhexyl Diphenyl Phosphate	1241-94-7	
2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	68631-49-2	FLAM/SYN
Isodecyl Diphenyl Phosphate	29761-21-5	PLAS
Microcystin LR	101043-37-2	ENVH/NATL
Naturally occurring asbestos and related mineral fibers	ASBESTOSFIB	ELEC/N/S
2,2',4,4',5-Pentabromodiphenyl Ether	60348-60-9	ENVH/SYN
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	FLAM/SYN
Propyl-4-hydroxybenzoate	94-13-3	FOOD/SYN
2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	ENVH/SYN
Tricresyl Phosphate	1330-78-5	FLAM/SYN

## Ref No. 3

## Chemicals Approved for Toxicology/Carcinogenesis Study

CHEMICAL NAME	PRIMARY CAS NUMBER	USE
Alternaria alternata mold	ALTERNARIA	NATL/NATL
N-Butylbenzenesulfonamide	3622-84-2	PLAS/SYN
Cylindrospermopsin	143545-90-8	ENVH/NATL
Damp Building Mold Mixture	DAMPBLDGMOLD	NATL/NATL
Fluorotelomer Alcohol 8+2	678-39-7	SYN
Nanoscale Material (Fullerene C60 18 microns)	99685-96-8	NANO/N/S
Nanoscale Material (Fullerene C60 200 nanometers)	99685-96-8	NANO
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	FLAM/SYN
Stachybotrys chartarum	67892-26-6	NATL
Stachybotrys chartarum strain 1 mold (macrocyclic trichothecene chemotype)	STACHYSTRN1	NATL/NATL
Stachybotrys chartarum strain 2 mold (atranone chemotype)	STACHYSTRN2	NATL/NATL
Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	21850-44-2	FLAM/SYN
Triclocarban	101-20-2	PEST/SYN
Water Damaged Building Mold Mixture	H2ODAMAGEMLD	NATL/NATL

## Ref No. 4

## Chemicals Assigned to Laboratory for Toxicology/Carcinogenesis Study

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Arsenic	7440-38-2	METL/NATL		MY RH HSD
Asbestos, amosite	12172-73-5	NSUL/NATL	INHAL	
Cell Phone Radiation: CDMA	CELLPRADCDMA	N/A		
Cell Phone Radiation: GSM	CELLPRADGSM	N/A		
Dipropylene glycol phenyl ether	51730-94-0	IND/SYN	GAV	HSD
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3	N/A	IV	M1
Libby Amphibole 2007	LA2007	MINL/NATL	INHAL	

## Ref No. 5

## Short-Term Exposure Studies in Progress

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPD D*	SUBCHR START DATE
Acrylamide	79-06-1	COMT/SYN	GAV	HSD	04/17A	
Aflatoxin B1 (TGMX)	1162-65-8	LABC/NATL	INHAL	R2		
Aloin	1415-73-2	NATL	WATER	RC		07/15A

\* RPD D = REPEATED DOSE; SUBCHR = SUBCHRONIC; (A)CTUAL OR (E)STIMATED DATES



Ref No. 5

## Short-Term Exposure Studies in Progress

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPD D* START DATE	SUBCHR START DATE
Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)-4-tert-butylphenol)	3147-76-0	ADHS	GAV	HSD	02/16A	
Bisphenol AF	1478-61-1		GAV	HSD	04/17A	
Bisphenol S	80-09-1	ADHS	FEED	M3	03/17A	
1,2-Bis(2,4,6-tribromophenoxy)ethane	37853-59-1	FLAM	GAV	HSDE	11/16A	
N-Butylbenzenesulfonamide	3622-84-2	PLAS/SYN	FEED	M22	02/14A	
Coumarin	91-64-5	PHAR/NATL	GAV	HSD	04/17A	
Crude MCHM	CRUDEMCHM	IND/SYN	GAV	HSD	09/14A	
Crumbrubber various	CRUMBRUBBERVARIOUS	N/S/SYN		M22	02/17A	
Decabromodiphenyl Ether	1163-19-5	FLAM	GAV	HSDE	11/16A	
Di(2-ethylhexyl) Phthalate	117-81-7	PLAS/SYN	GAV	HSD	03/17A	
Dimethylamine Borane	74-94-2		DERMAL	HSD M22	01/14A	
2,2'-Dimorpholinodiethyl Ether	6425-39-4	IND/SYN	GAV	M22	04/16A	
Phenolic Benzotriazoles (Drometrizole)	2440-22-4	IND	GAV	HSD	02/16A	
1,2-bis(pentabromophenyl)ethane	84852-53-9	FLAM/SYN	GAV	HSDE	11/16A	
Ethinyl estradiol	57-63-6	PHAR/N/S	GAV	HSD	04/17A	
2-ethyltoluene	611-14-3	LABC	INHAL	M22 HSD	11/15A	
3-ethyltoluene	620-14-4	LABC	INHAL	M22 HSD	10/15A	
4-ethyltoluene	622-96-8	FUEL	INHAL	R8 M22	08/15A	
Fenofibrate	49562-28-9	PHAR/SYN	GAV	HSD	03/17A	
Furan	110-00-9	DTRG/N/S	GAV	HSD	07/17A	
Garcinia Cambogia Extract	90045-23-1	DIET/NATL	FEED	M22 HSD	04/14A	
Ginkgo biloba extract	90045-36-6	DIET/NATL	GAV	FSAS	12/15A	
Ginseng	50647-08-0	DIET/NATL	GAV	HSD	07/17A	
Goldenseal extract	84603-60-1	NATL/N/S	GAV	FSAS	12/15A	
Green Tea Extract	GREENTEAEXTR	DIET/NATL	GAV	FSAS	01/16A	
1,3,5,7,9,11-Hexabromocyclododecane	25637-99-4	FLAM	GAV	HSDE	11/16A	
Hexachlorobenzene	118-74-1	FUNG/SYN	GAV	HSD	04/17A	
Hexachlorocyclopentadienyl-dibromocyclooctane	51936-55-1	FLAM/SYN	GAV	HSDE	11/16A	
Phenolic Benzotriazoles (3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid, octyl ester)	84268-23-5	ADHS	GAV	HSD	01/16A	
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride	479500-35-1	LABC/SYN	WATER	HSD M22		08/13A
Ionic Liquid: N-Butylpyridinium Chloride	1124-64-7	ELEC/SYN	WATER	HSD M22		09/13A
Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride	65039-09-0	IND/SYN	WATER	HSD M22		05/13A
Isopropylated Phenol Phosphate	68937-41-7	FLAM/SYN	FEED	M22	12/14A	
Melamine + Cyanuric Acid combination	MELCYANCOMB	ADHS/SYN	GAV	RC		07/11A
Melamine + Cyanuric Acid combination	MELCYANCOMB	ADHS/SYN	GAV	RC		10/15A
4-Methylcyclohexanemethanol	34885-03-5	IND/SYN	GAV	HSD	09/14A	
Methyleugenol	93-15-2	FOOD/NATL	GAV	HSD	04/17A	
Microbiome	MICROBIOME	NATL		N/A		07/15A
Milk thistle extract	84604-20-6	DIET/NATL	GAV	HSD	07/17A	
Nanoscale Silver	7440-22-4	TBCO/NATL	GAV	44		09/11A
Phenolic Benzotriazoles (Octrizole)	3147-75-9	IND	GAV	HSD	01/16A	
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	FLAM/SYN	GAV	HSD	11/16A	
Perfluorohexane sulfonate potassium salt (PFHKSlt)	3871-99-6	PLAS/SYN	GAV	HSD	02/12A	
Perfluorooctanoic Acid	335-67-1	ELEC/SYN	GAV	HSD	04/17A	
Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)phenol)	10096-91-0	ADHS	GAV	HSD	01/16A	
Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol)	25973-55-1	PEST	GAV	HSD	01/16A	
Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol)	70321-86-7	IND	GAV	HSD	01/16A	
Phenolic Benzotriazoles (2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol)	3864-99-1	IND	GAV	HSD	01/16A	
Phenolic Benzotriazoles (Bumetrizole)	3896-11-5	IND	GAV	HSD	02/16A	
Propylene glycol phenyl ether	770-35-4	SOLV/SYN	GAV	HSD	09/14A	
Pulegone	89-82-7	DIET/N/S	GAV	HSD	03/17A	
Sodium Metavanadate	13718-26-8	COMT/SYN	WATER	M3 HSD	10/14A	01/16A
2-ethylhexyl-2,3,4,5-tetrabromobenzoate	183658-27-7	ENVH/SYN	GAV	HSDE	11/16A	
Tetrabromobisphenol A	79-94-7	FLAM	GAV	HSD	11/16A	
2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	ENVH/SYN	GAV	HSDE	11/16A	
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	PLAS/SYN	GAV	HSDE	11/16A	
3,3',4,4'-Tetrachloroazobenzene	14047-09-7	PEST/SYN	GAV	HSD	11/16A	
alpha/beta Thujone mixture	76231-76-0	COSM/NATL	GAV	HSD	07/17A	
Triclosan	3380-34-5	COSM/SYN	GAV	HSD	11/16A	

\* RPD D = REPEATED DOSE; SUBCHR = SUBCHRONIC; (A)CTUAL OR (E)STIMATED DATES

## Ref No. 5

## Short-Term Exposure Studies in Progress

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPD D* SUBCHR START DATE	START DATE
1,2,4-trimethylbenzene	95-63-6 DYE	INHAL	HSD M22		01/17A
Trimethylsilyldiazomethane (TMSD)	18107-18-1 REAG/SYN	INHAL	M3 HSD	10/15A	
Triphenyl Phosphate	115-86-6 FLAM/SYN	FEED	M22	02/15A	
Tris(Chloropropyl)phosphate	13674-84-5 PEST	GAV	HSD	03/17A	
Valerian (Valeriana officinalis L.) root extract	8057-49-6 DIET/NATL	GAV	M22		09/15A
Vanadyl sulfate	27774-13-6 DYE	WATER	M3 HSD M22	09/14A	04/16A
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7 ENVH/NATL	GAV	HSD	04/17A	

\* RPD D = REPEATED DOSE; SUBCHR = SUBCHRONIC; (A)CTUAL OR (E)STIMATED DATES

## Ref No. 6

## Short-Term Studies Completed: In Review for Further Evaluation

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPD D* SUBCHR START DATE	START DATE
Aspergillus versicolor mold	ASPERGILLUSV NATL/NATL	INHAL	M22		
Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride	79917-90-1 COSM/SYN	WATER	M22 HSD		04/13A
Perfluorobutane sulfonate (PFBS)	375-73-5 IND/SYN	GAV	HSD	01/12A	
Perfluorodecanoic Acid	335-76-2 IND/SYN	GAV	HSD	02/12A	
Perfluorohexanoic acid (PFHXA)	307-24-4 FDPK/SYN	GAV	HSD	01/12A	
Perfluorononanoic Acid	375-95-1 FDPK/SYN	GAV	HSD	02/12A	
Perfluorooctane Sulfonate	1763-23-1 SYN	GAV	HSD	01/12A	
Perfluorooctanoic Acid	335-67-1 ELEC/SYN	GAV	HSD	01/12A	
Sulfolane	126-33-0 ADHS	GAV	O6 M22 HSD		01/14A
Usnea Lichen	USNEALICHEN DIET/NATL	FEED	RC MV	01/07A	02/09A
(+)-Usnic Acid	7562-61-0 NATL/NATL	FEED	RC MV	12/06A	08/08A

\* RPD D = REPEATED DOSE; SUBCHR = SUBCHRONIC; (A)CTUAL OR (E)STIMATED DATES

## Ref No. 7

## Long-Term Exposure Studies in Progress

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	CHRONIC START DATE
1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	INHAL	M22 HSD	06/16A

## Ref No. 8

## Long-Term Exposure Studies: Laboratory Study Report in Preparation

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES
alpha-Pinene	80-56-8 SOLV/SYN	INHAL	M3 HSD
Bisphenol A	80-05-7 INTR/SYN	GAV	44
Black Cohosh	84776-26-1 DIET/NATL	GAV	M3 HSD
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3 N/A	IV	M1
Resveratrol	501-36-0 CMOT/NATL	GAV	RE RD M3 HSD
Sulfolane	126-33-0 ADHS	WATER	M3 HSD
Triclosan	3380-34-5 COSM/SYN	DERMAL	M3
Tris(Chloropropyl)phosphate	13674-84-5 PEST	FEED	M3 HSD

## Ref No. 10

## Long-Term Exposure Studies: Pathology Quality Assessment in Progress

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES
Aging Cohort Study: 129/SvImJ mouse	MOUSEPHENO1 N/A	N/A	MR
Aging Cohort Study: B6C3F1J mouse	MOUSEPHENO6 N/A	N/A	63
Aging Cohort Study: C3H/HeJ mouse	MOUSEPHENO3 N/A	N/A	M15
Aging Cohort Study: C57/BL/6J mouse	MOUSEPHENO4 N/A	N/A	MZ
Aging Cohort Study: CAST/EiJ mouse	MOUSEPHENO5 N/A	N/A	M11
Aging Cohort Study: NZO/HiLtJ mouse	MOUSEPHENO10 N/A	N/A	61
Aging Cohort Study: PWK/PhJ mouse	MOUSEPHENO8 N/A	N/A	62
Aging Cohort Study: WSB/EiJ mouse	MOUSEPHENO9 N/A	N/A	M14
Aging Cohort Study: A/J mouse	MOUSEPHENO2 N/A	N/A	MF
Aging Cohort Study: NOD. B10Sn-H2(b)/J	MOUSEPHENO7 N/A	N/A	60
Cell Phone Radiation: CDMA	CELLPRADCDMA N/A	WB	M3 HSD
Cell Phone Radiation: GSM	CELLPRADGSM N/A	WB	M3 HSD

## Ref No. 10

## Long-Term Exposure Studies: Pathology Quality Assessment in Progress

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Dibutyl Phthalate	84-74-2	FUNG/SYN	FEED	M3 HSD
Di(2-ethylhexyl) Phthalate	117-81-7	PLAS/SYN	FEED	HSD
Di(2-ethylhexyl) Phthalate	117-81-7	PLAS/SYN	FEED	HSD
N,N-Dimethyl-p-toluidine	99-97-8	INTR/SYN	GAV	RD M3
Perfluorooctanoic Acid	335-67-1	ELEC/SYN	FEED	HSD
Perfluorooctanoic Acid	335-67-1	ELEC/SYN	FEED	HSD
Sodium Tungstate Dihydrate	10213-10-2	FLAM/NATL	WATER	M3 HSD
p-Toluidine	106-49-0	INTR/SYN	GAV	RD

## Ref No. 12

## Short-Term Exposure Studies Scheduled for Peer Review

## Short-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.
Bisphenol A	80-05-7	INTR/SYN	GAV	44	C10034 (3)
Chitosan	9012-76-4	DIET/NATL	FEED	R8	
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	INHAL	M3 HSD	
Myristicin	607-91-0	FOOD/NATL	GAV	RD M3	
Nanoscale material (Fullerene-C60 1 micron)	99685-96-8	SYN	INHAL	RE M3	
Nanoscale material (Fullerene-C60 50 nanometers)	99685-96-8	SYN	INHAL	RE M3	
2,3-Pentanedione	600-14-6	FOOD/SYN	INHAL	RE M3	
ortho-Phthalaldehyde	643-79-8	GERM	INHAL	M3 HSD	
Serotype 2 Adeno-associated Viral Vector hAQPl (rAAV2hAQPl)	AAV2HAQPl		ID/CN	MW	
Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	21850-44-2	FLAM/SYN	GAV	RD M3	
Triethylamine	121-44-8	INTR/SYN	INHAL	R2 M3	
Wyeth 14,643 (WY)	50892-23-4	PHAR/SYN	GAV	HSD	

## Ref No. 13

## Long-Term Exposure Studies Scheduled for Peer Review

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.
AZT/Drug Combinations Transplacental/Neonatal Study	AIDSDRUGSNEO	PHAR/SYN	GAV	MV M3	
2,3-Butanedione	431-03-8	FOOD/N/S	INHAL	RE M3	
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	INHAL	M3 HSD	
2-Hydroxy-4-methoxybenzophenone	131-57-7	COSM/SYN	FEED	M3 HSD	
1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020		INHAL	M3 HSD	
Zinc Carbonate, Basic	5263-02-5	NATL/NATL	FEED	HSD	

## Ref No. 14

## Post Peer Review Technical Reports in Progress

## Short-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.
Abrasive Blasting Agents: Blasting Sand	BLASTINGSAND	IND/NATL	INHAL	RD HSD	
Abrasive Blasting Agents: Specular Hematite	HEMATITISPEC	IND/NATL	INHAL	RD HSD	
Acetoin	513-86-0	FOOD/N/S	INHAL	RE M3	
Cedarwood oil	8000-27-9	COSM/NATL	SP	R2 M3	TOX-86
o-Chloropyridine	109-09-1	COSM/SYN	WATER	R2 M3	TOX-83
Hexachlorobenzene	118-74-1	FUNG/SYN	GAV	HSD	
Indole-3-carbinol	700-06-1	DIET/N/S	GAV	R2 M22	
PCN 66/67 comparison study	PCNCOMPARISN	SYN	GAV	R8 R2	
Serotype 5 Adeno-associated Viral Vector (rAAV5SCTLA4:Ig)	RAV5SCTLA4IG	N/A	ID/CN	MW	
Serotype 2 Adeno-associated Viral Vector rAAV2rapahEpo	AAVIRAAVHEPO	NATL	ID/CN	MW	

## Ref No. 14

## Post Peer Review Technical Reports in Progress

## Long-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	CARCINOGEN CODES
						MR FR MM FM**
Antimony Trioxide	1309-64-4	DYE/N/S	INHAL	RE M3		

\*\* MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcinogen Codes

Ref No. 14

## Post Peer Review Technical Reports in Progress

## Long-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	CARCINOGEN CODES			
					MR	FR	MM	FM**
Indole-3-carbinol	700-06-1	DIET/N/S	GAV	M3 HSD	NE	SE	CE	CE

\*\* MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcnoegen Codes

\*\* The NCI and the NTP Technical Reports for the following chemicals are available from the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, Phone: (703) 605-6000 or 1-800-553-6847 (rush orders only). Technical reports numbered 220 or higher may also be available from Central Data Management (CDM) (TELEPHONE: 919-541-3419; FAX: (301) 480-3210; Mail Drop K2-05, NIEHS, P. O. BOX 12233, Research Triangle Park, NC USA 27709; EMAIL: CDM@NIEHS.NIH.GOV) . All requests containing checks, money orders, or purchase orders should be sent to NTIS.

Ref No. 16

## Printed Long-Term and Short-Term Study Reports

## Genetically Modified Model Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
						MR	FR	MM	FM**
Allyl bromide	106-95-6	COSM/SYN	GAV	M1 MD	GMM-07	PB2008-109736			
Allyl bromide	106-95-6	COSM/SYN	GAV	MI ME	GMM-07	PB2008-109736			
Dicyclohexylcarbodiimide	538-75-0	IND/SYN	SP	R2 M3	GMM-09	PB2008-109738			
Dicyclohexylcarbodiimide	538-75-0	IND/SYN	SP	ME	GMM-09	PB2008-109738			
Dicyclohexylcarbodiimide	538-75-0	IND/SYN	SP	MD	GMM-09	PB2008-109738			
Diisopropylcarbodiimide	693-13-0	INTR/SYN	SP	ME	GMM-10	PB2008-109739			
Diisopropylcarbodiimide	693-13-0	INTR/SYN	SP	MD	GMM-10	PB2008-109739			
Pentaerythritol triacrylate	3524-68-3	PLAS	SP	R2 M3	GMM-04	PB2006-105551			
Pentaerythritol triacrylate	3524-68-3	PLAS	SP	ME	GMM-04	PB2006-105551			
Transgenic Model Evaluation II (Acesulfame Potassium)	55589-62-3	FOOD	FEED	ME MD	GMM-02	PB2006-103440			
Transgenic model evaluation II (Aspartame)	22839-47-0	FOOD/SYN	FEED	MD ME	GMM-01	PB2006-103430			
Transgenic model evaluation II (Aspartame)	22839-47-0	FOOD/SYN	FEED	MQ	GMM-01	PB2006-103430			
Transgenic model evaluation II (Benzene)	71-43-2	DYE/N/S	GAV	MQ	GMM-08	PB2008-109737			
Transgenic model evaluation II (Glycidol)	556-52-5	COSM/SYN	GAV	MQ	GMM-13	PB2008-109742			
Transgenic model evaluation II (Phenolphthalein)	77-09-8	DYE/SYN	FEED	MQ	GMM-12	PB2008-109741			
Trimethylolpropane triacrylate	15625-89-5	ADHS	SP	R2 M3	GMM-03	PB2006-105550			
Trimethylolpropane triacrylate	15625-89-5	ADHS	SP	ME	GMM-03	PB2006-105550			
Water disinfection model (Bromodichloromethane)	75-27-4	FLAM/SYN	WATER	MD	GMM-05	PB2008-109734			
Water disinfection model (Bromodichloromethane)	75-27-4	FLAM/SYN	SP	ME MI	GMM-05	PB2008-109734			
Water disinfection model (Bromodichloromethane)	75-27-4	FLAM/SYN	GAV	MD	GMM-05	PB2008-109734			
Water disinfection model (Bromodichloromethane)	75-27-4	FLAM/SYN	WATER	ME	GMM-05	PB2008-109734			
Water disinfection model (Bromodichloromethane)	75-27-4	FLAM/SYN	GAV	ME	GMM-05	PB2008-109734			
Water disinfection model (Dichloroacetic acid)	79-43-6	GERM/SYN	WATER	MD	GMM-11	PB2008-109740			
Water disinfection model (Dichloroacetic acid)	79-43-6	GERM/SYN	SP	MI ME	GMM-11	PB2008-109740			
Water disinfection model (Dichloroacetic acid)	79-43-6	GERM/SYN	WATER	ME	GMM-11	PB2008-109740			
Water disinfection model (Sodium bromate)	7789-38-0	COSM/SYN	WATER	MD	GMM-06	PB2008-109735			
Water disinfection model (Sodium bromate)	7789-38-0	COSM/SYN	SP	ME MI	GMM-06	PB2008-109735			
Water disinfection model (Sodium bromate)	7789-38-0	COSM/SYN	WATER	ME	GMM-06	PB2008-109735			

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See Page 4 for explanation of Carcnoegen Codes

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Ref No. 16

## Printed Long-Term and Short-Term Study Reports

## Short-Term Studies

CARCINOGEN  
CODES  
MR FR MM FM\*\*

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	MR	FR	MM	FM**
Acetone	67-64-1	COSM/SYN	WATER	R2 M3	TOX-03				
Acrolein	107-02-8	PLAS/SYN	GAV	R2 M3	TOX-48				
Allyl acetate	591-87-7	INTR/SYN	GAV	R2 M3	TOX-48				
Allyl alcohol	107-18-6	INTR/SYN	GAV	R2 M3	TOX-48				
alpha-Pinene	80-56-8	SOLV/SYN	INHAL	R2 M3	TOX-81				
5-Amino-o-cresol	2835-95-2	COSM/SYN	SP	RD M3	TOX-89				
Antimony potassium tartrate	28300-74-5	PEST/SYN	IP/IJ	R2 M3	TOX-11				
AZT + Isoniazid (AIDS Initiative)	AZTISONIAZID	PHAR/SYN	GAV	M3	AIDS-08				
AZT + Pyrazinamide combination (AIDS Initiative)	AZTZINAMIDE	PHAR/SYN	GAV	M3	AIDS-05				
AZT + Rifampin (AIDS Initiative)	AZTRIFAMPIN	PHAR	GAV	M3	AIDS-06				
Barium chloride dihydrate	10326-27-9	DYE/NATL	WATER	R2 M3	TR-432				
Benzethonium chloride	121-54-0	COSM/SYN	SP	R2 M3	TR-438				
Benzophenone	119-61-9	PHAR/SYN	FEED	R2 M3	TOX-61				
o-Benzyl-p-chlorophenol	120-32-1	GERM/SYN	GAV	R2 M3	TR-424				
Benzyltrimethyl ammonium chloride	56-93-9	DYE	GAV	R2 M3	TOX-57				
Benzyltrimethyl ammonium chloride	56-93-9	DYE	GAV	R2 M3	TOX-57				
2,2-bis(Bromomethyl)-1,3-propanediol	3296-90-0	FLAM/SYN	FEED	R2 M3	TR-452				
Black newsprint ink	EMTDP-75	DYE/SYN	SP	R2 M2	TOX-17				
beta-Bromo-beta-nitrostyrene	7166-19-0	PEST/SYN	GAV	R2 M3	TOX-40				
Butanal oxime	110-69-0	PNT/SYN	WATER	R2 M3	TOX-69				
1,4-Butanediol	110-63-4	INTR/SYN	FEED	R2	TOX-54				
2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	INTR/SYN	WATER	R2 M3	TOX-26				
2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	INTR/SYN	WATER	R2	TOX-26				
tert-Butyl alcohol	75-65-0	IND/SYN	INHAL	R2 M3	TOX-53				
Butyl benzyl phthalate	85-68-7	PLAS/SYN	FEED	R2	TR-458				
p-tert-Butylcatechol	98-29-3	RUBR/SYN	FEED	R2 M3	TOX-70				
p-tert-Butylcatechol	98-29-3	RUBR/SYN	FEED	R2 M3	TOX-70				
tert-Butyl perbenzoate	614-45-9	ADHS/SYN	GAV	R2 M3	TOX-15				
Cadmium oxide	1306-19-0	DYE/N/S	INHAL	R2 M3	TOX-39				
Cadmium oxide	1306-19-0	DYE/N/S	INHAL	R8 M5	TOX-39				
Carisoprodol	78-44-4	PHAR/SYN	GAV	R2 M3	TOX-56				
Carisoprodol	78-44-4	PHAR/SYN	GAV	R2 M3	TOX-56				
Castor oil	8001-79-4	COSM/NATL	FEED	R2 M3	TOX-12				
Cellulose insulation	CELLULOSEINS	PAPR/SYN	IT	R2	TOX-74				
Chemical mixture - drinking water contaminants	CHEMIXH2O	COMT/NATL	WATER	R2 M3	TOX-35				
Chloral hydrate	302-17-0	PHAR/SYN	GAV	R2 MV	C92010B				
m-Chloroaniline	108-42-9	INTR/SYN	GAV	R2 M3	TOX-43				
o-Chloroaniline	95-51-2	DYE/SYN	GAV	R2 M3	TOX-43				
2-Chloronitrobenzene	88-73-3	DYE/SYN	INHAL	R2 M3	TOX-33				
4-Chloronitrobenzene	100-00-5	DYE/SYN	INHAL	R2 M3	TOX-33				
Chloroprene	126-99-8	PLAS/SYN	INHAL	R2 M3	TR-467				
1-Chloro-2-propanol, technical	127-00-4	INTR/SYN	WATER	R2 M3	TR-477				
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	GAV	R2 M3	TOX-14				
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	GAV	R2 M3	TOX-14				
C.I. Direct Black 38	1937-37-7	DYE	FEED	R2 M3	TR-108				P P
C.I. Direct Blue 6	2602-46-2	COSM	FEED	R2 M3	TR-108				P P
C.I. Direct Blue 218	28407-37-6	DYE	FEED	R2 M3	TR-430				
C.I. Direct Brown 95	16071-86-6	DYE	FEED	R2 M3	TR-108				N P
Cobalt sulfate heptahydrate	10026-24-1	DYE/NATL	INHAL	R2 M3	TOX-05				
Codeine	76-57-3	INTR/N/S	FEED	R2 M3	TR-455				
Coumarin	91-64-5	PHAR/NATL	GAV	R2 M3	TR-422				
m-Cresol	108-39-4	FUME/NATL	FEED	R2 M3	TOX-09				
o-Cresol	95-48-7	DYE/NATL	FEED	R2 M3	TOX-09				
p-Cresol	106-44-5	PEST/NATL	FEED	R2 M3	TOX-09				
Cresols	1319-77-3	DYE/N/S	FEED	R2 M3	TOX-09				
Cupric sulfate	7758-99-8	FOOD/NATL	WATER	R2 M3	TOX-29				
Cupric sulfate	7758-99-8	FOOD/NATL	FEED	R2 M3	TOX-29				
Cyclohexanone oxime	100-64-1	PLAS/SYN	WATER	M3	TOX-50				
D&C Yellow No. 11	8003-22-3	COSM/SYN	FEED	R2 M3	TOX-08				
2,4-Decadienal	25152-84-5	FOOD/N/S	GAV	R2 M3	TOX-76				
Diazoaminobenzene	136-35-6	DYE/SYN	SP	R2 M3	TOX-73				
1,2-Dibromo-2,4-dicyanobutane	35691-65-7	FUNG/SYN	SP	R2 M22	TR-555				
Dibutyl Phthalate	84-74-2	FUNG/SYN	FEED	R2 M3	TOX-30				
Dibutyl Phthalate	84-74-2	FUNG/SYN	FEED	R2 M3	TOX-30				
p,p'-Dichlorodiphenyl sulfone	80-07-9	PLAS	FEED	R2 M3	TR-501				
1,2-Dichloroethane	107-06-2	FUME/SYN	GAV	R2	TOX-04				
1,2-Dichloroethane	107-06-2	FUME/SYN	WATER	R2 M3	TOX-04				

\*+ MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcino Code

Ref No. 16

## Printed Long-Term and Short-Term Study Reports

## Short-Term Studies

CARCINOGEN  
CODES  
MR FR MM FM\*\*

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER
1,2-Dichloroethane	107-06-2 FUME/SYN	WATER	R8 R1	TOX-04	PB91-185363
trans-1,2-Dichloroethylene	156-60-5 SOLV	MICRO	R2 M3	TOX-55	PB2002-108967
Diethanolamine	111-42-2 TEXTL/SYN	SP	R2 M3	TOX-20	PB93-133999
Diethanolamine	111-42-2 TEXTL/SYN	WATER	R2 M3	TOX-20	PB93-133999
3,4-Dihydrocoumarin	119-84-6 FOOD/NATL	GAV	R2 M3	TR-423	PB95-103925
1,2-Dihydro-2,2,4-trimethylquinoline (monomer)	147-47-7 IND/SYN	SP	R2 M3	TR-456	PB98-101009
1,2-Dihydro-2,2,4-trimethylquinoline (monomer)	147-47-7 IND/SYN	SP	R2 M7	TR-456	PB98-101009
Diisopropylcarbodiimide	693-13-0 INTR/SYN	SP	R2 M3	TR-523	PB2007107705
Dimethylaminopropyl chloride, hydrochloride	5407-04-5 INTR/SYN	GAV	R2 M3	TOX-75	PB2009-114738
Dimethylformamide	68-12-2 SOLV/SYN	INHAL	R2 M3	TOX-22	PB93-131936
1,3-Diphenylguanidine	102-06-7 RUBR/SYN	FEED	R2 M3	TOX-42	PB96-115639
Dipropylene glycol	25265-71-8 INTR	WATER	R2 M3	TR-511	PB2005100832
Elmiron (sodium pentosanpolysulfate)	37319-17-8 PHAR/SYN	GAV	R2 M3	TR-512	PB2004-106612
Estragole	140-67-0 FOOD/NATL	GAV	R2 M3	TOX-82	PB2011-105234
Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro- 2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)	54464-57-2 COSM/SYN	SP	RD M3	TOX-92	
Ethylbenzene	100-41-4 FUEL/SYN	INHAL	R2 M3	TOX-10	PB93-149722
Ethylene glycol monoethyl ether (EGMEE)	110-80-5 COSM/SYN	WATER	R2 M3	TOX-26	PB94-118106
Ethylene glycol monoethyl ether (EGMEE)	110-80-5 COSM/SYN	WATER	R2	TOX-26	PB94-118106
Ethylene Glycol Monomethyl Ether (EGMME)	109-86-4 COSM/SYN	WATER	R2 M3	TOX-26	PB94-118106
Ethylene Glycol Monomethyl Ether (EGMME)	109-86-4 COSM/SYN	WATER	R2	TOX-26	PB94-118106
Formamide	75-12-7 SOLV/SYN	GAV	R2 M3	TR-541	PB2009-115393
Formic acid	64-18-6 FUME/N/S	INHAL	R2 M3	TOX-19	PB93-149730
Fumonisin B1	116355-83-0 FEED/NATL	FEED	R2 M3	TR-496	PB2002-103492
Furfuryl alcohol	98-00-0 FOOD/N/S	INHAL	R2 M3	TR-482	PB99-151482
Gallium arsenide	1303-00-0 ELEC/SYN	INHAL	R2 M3	TR-492	PB2001-102003
Glutaraldehyde	111-30-8 ADHS/SYN	INHAL	R2 M3	TOX-25	PB94-119252
Glyphosate	1071-83-6 HERB/SYN	FEED	R2 M3	TOX-16	PB95-109898
Glyphosate	1071-83-6 HERB/SYN	FEED	R2	TOX-16	PB95-109898
Goldenseal root powder	GOLDENSEALRT DIET/NATL	FEED	R2 M22	TR-562	PB2011-101388
Halogenated ethanes CS (1,2-Dichloro-1,1-difluoroethane)	1649-08-7 IND/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,2-Difluoro-1,1,2,2-tetrachloroethane)	76-12-0 SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (Hexachloroethane)	67-72-1 SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (Pentabromoethane)	75-95-6 IND/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (Pentachloroethane)	76-01-7 SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,1,2-Tetrabromoethane)	630-16-0 IND/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,2,2-Tetrabromoethane)	79-27-6 FLAM/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,1,2-Tetrachloroethane)	630-20-6 INTR	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,2,2-Tetrachloroethane)	79-34-5 SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,1-Trichloroethane)	71-55-6 SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,1-Trichloro-2,2,2-trifluoroethane)	354-58-5 IND/SYN	GAV	R2	TOX-45	PB96-202718
Hexachloro-1,3-butadiene	87-68-3 FUME	FEED	M3	TOX-01	PB91-185884
2,4-Hexadienal	142-83-6 FOOD/N/S	GAV	R2 M3	TR-509	PB2004102548
1,6-Hexanediamine dihydrochloride	6055-52-3 INTR/SYN	INHAL	R2 M3	TOX-24	PB94-119260
1,6-Hexanediamine dihydrochloride n-Hexane	6055-52-3 INTR/SYN	WATER	R2 M3	TOX-24	PB94-119260
2-Hydroxy-4-methoxybenzophenone	110-54-3 NATL/NATL	INHAL	M3	TOX-02	PB91-185322
2-Hydroxy-4-methoxybenzophenone	131-57-7 COSM/SYN	FEED	R2 M3	TOX-21	PB93-126498
2-Hydroxy-4-methoxybenzophenone	131-57-7 COSM/SYN	SP	R2 M3	TOX-21	PB93-126498
2-Hydroxy-4-methoxybenzophenone	131-57-7 COSM/SYN	SP	R2 M3	TOX-21	PB93-126498
5-(Hydroxymethyl)-2-furfural	67-47-0 NATL/N/S	GAV	R2 M3	TR-554	PB2010-113179
Isobutyraldehyde	78-84-2 INTR/N/S	INHAL	R2 M3	TR-472	PB99-134785
Isoprene	78-79-5 RUBR/N/S	INHAL	R2 M3	TOX-31	PB95-226486
Isoprene	78-79-5 RUBR/N/S	INHAL	R2 M3	TOX-31	PB95-226486
Leucomalachite green	129-73-7 FUNG/SYN	FEED	R2 MV	TOX-71	PB2004-106614
Magnetic fields (EMF)	ELECTROMAG ELEC	WB	R2 M3	TOX-58	PB97-115463
Magnetic fields + DMBA initiation promotion	EMF+DMBA ELEC/SYN	GV/WB	R8	TR-489	PB2000-101313
Malachite green	569-64-2 GERM/SYN	FEED	R2 MV	TOX-71	PB2004-106614
Manganese sulfate monohydrate	10034-96-5 DYE/NATL	FEED	R2 M3	TR-428	PB94-217148
Methacrylonitrile	126-98-7 INTR/SYN	GAV	R2 M3	TOX-47	PB2000-106-406
Methapyrilene hydrochloride	135-23-9 PHAR/SYN	FEED	R2	TOX-46	PB2000-107871

\*+ MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcinogen Codes

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## Printed Long-Term and Short-Term Study Reports

## Short-Term Studies

CARCINOGEN  
CODES  
MR FR MM FM\*\*

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	
Methyl bromide	74-83-9 FUME/SYN	INHAL	R2 M3	TR-385	PB92-189257	
Methyl bromide	74-83-9 FUME/SYN	INHAL	R2 M3	TR-385	PB92-189257	
Methylene bis(thiocyanate)	6317-18-6 FUNG/SYN	GAV	R2 M3	TOX-32	PB94-194164	
Methyl ethyl ketone peroxide	1338-23-4 PLAS/SYN	SP	R2 M3	TOX-18	PB94-119278	
Methyl ethyl ketoxime	96-29-7 PNT	WATER	R2 M3	TOX-51	PB99-176828	
Methyleugenol	93-15-2 FOOD/NATL	GAV	R2 M3	TR-491	PB2000-107865	
2-Methylimidazole	693-98-1 INTR/N/S	FEED	R2 M3	TOX-67	PB2004-105393	
4-Methylimidazole	822-36-6 FOOD/N/S	FEED	R2 M3	TOX-67	PB2004-105393	
Methylphenidate hydrochloride	298-59-9 PHAR/SYN	FEED	R2 M3	TR-439	PB96-162615	
Molybdenum trioxide	1313-27-5 DYE/SYN	INHAL	R2 M3	TR-462	PB98-107048	
p-Nitroaniline	100-01-6 DYE/SYN	GAV	M3	TR-418	PB94-104528	
o-Nitroanisole	91-23-6 DYE/SYN	FEED	R2 M3	TR-416	PB94-109758	
p-Nitrobenzoic acid	62-23-7 DYE	FEED	R2 M3	TR-442	PB95-226254	
1-Nitropyrene	5522-43-0 ENVH/SYN	INHAL	R2	TOX-34	PB96-176342	
m-Nitrotoluene	99-08-1 DYE/SYN	FEED	R2 M3	TOX-23	PB93-150092	
o-Nitrotoluene	88-72-2 RUBR/SYN	FEED	R2 M3	TOX-23	PB93-150092	
o-Nitrotoluene	88-72-2 RUBR/SYN	FEED	R2	TOX-44	PB96-188321	
p-Nitrotoluene	99-99-0 DYE/SYN	FEED	R2 M3	TOX-23	PB93-150092	
Pentachlorobenzene	608-93-5 FLAM	FEED	R2 M3	TOX-06	PB91-185983	
Pentachlorophenol, DP-2	87-86-5 PEST/SYN	FEED	M3	TR-349	PB89-216536	
Pentachlorophenol, purified	87-86-5 PEST/SYN	FEED	M3	TR-349	PB89-216536	
Peroxisome project (WY-14643)	50892-23-4 PHAR/SYN	FEED	M3 H1	TOX-62	PB2000-106659	
				HSD		
Pesticide/fertilizer contamination--mixture 2	PESTFERTMIX2	COMT/SYN	WATER	R2 M3	TOX-36	PB94-121035
Pesticide/fertilizer contamination--mixture 3	PESTFERTMIX3	COMT/SYN	WATER	R2 M3	TOX-36	PB94-121035
Phenolphthalein	77-09-8 PHAR/SYN	FEED	R2 M3	TR-465	PB97-169882	
Promethazine hydrochloride	58-33-3 PHAR/SYN	GAV	R2 M3	TR-425	PB94-210192	
Riddelliine	23246-96-0 PHAR/NATL	GAV	R2 M3	TOX-27	PB94-194685	
Salicylazosulfapyridine	599-79-1 PHAR/SYN	GAV	R2 M3	TR-457	PB97-212708	
Scopolamine hydrobromide trihydrate	6533-68-2 PHAR/SYN	GAV	R2 M3	TR-445	PB97-208946	
Senna (powdered)	8013-11-4 DIET/NATL	FEED	M1	GMM-15	PB2012111383	
Senna (powdered)	8013-11-4 DIET/NATL	FEED	MD	GMM-15	PB2012111383	
Sodium cyanide	143-33-9 FUME/SYN	WATER	R2 M3	TOX-37	PB94-194693	
Sodium dichromate dihydrate (VI)	7789-12-0 ENVH/SYN	WATER	MX MW M3	TOX-72	PB2007-107225	
Sodium nitrite	7632-00-0 INTR/SYN	WATER	R2 M3	TR-495	PB2001-107676	
Sodium selenate	13410-01-0 FEED/SYN	WATER	R2 M3	TOX-38	PB94-215753	
Sodium selenite	10102-18-8 FEED/SYN	WATER	R2 M3	TOX-38	PB94-215753	
Sodium thioglycolate	367-51-1 COSM/SYN	SP	R2 M3	TOX-80		
Sodium xylenesulfonate	1300-72-7 DTRG/SYN	SP	R2 M3	TR-464	PB98-168719	
3,3',4,4'-Tetrachloroazobenzene	14047-09-7 PEST/SYN	GAV	R2 M3	TOX-65	PB99-123465	
3,3',4,4'-Tetrachloroazobenzene	14047-09-7 PEST/SYN	GAV	HSD	TR-558	PB2011-104500	
3,3',4,4'-Tetrachloroazoxybenzene	21232-47-3 COMT/SYN	GAV	R2 M3	TOX-66	PB99-123663	
1,2,4,5-Tetrachlorobenzene	95-94-3 DYE	FEED	R2 M3	TOX-07	PB91-185330	
1,1,2,2-Tetrachloroethane	79-34-5 SOLV/SYN	MICRO	R2 M3	TOX-49	PB2004-105706	
1,1,2,2-Tetrachloroethane	79-34-5 SOLV/SYN	MICRO	R2 M3	TOX-49	PB2004-105706	
Tetrachlorophthalic anhydride	117-08-8 FLAM/SYN	GAV	R2 M3	TOX-28	PB94-119245	
Tetrafluoroethylene	116-14-3 FOOD/SYN	INHAL	R2 M3	TR-450	PB97-208508	
1-trans-delta-9-Tetrahydrocannabinol	1972-08-3 PHAR/NATL	GAV	R2 M3	TR-446	PB97-182208	
Tetrahydrofuran	109-99-9 FDPK/SYN	INHAL	R2 M3	TR-475	PB98-164544	
Theophylline	58-55-9 PHAR/NATL	GAV	R2 M3	TR-473	PB99-113342	
Theophylline	58-55-9 PHAR/NATL	FEED	R2 M3	TR-473	PB99-113342	
alpha-Thujone	546-80-5 DIET/NATL	GAV	R2 M22	TR-570	PB2012-102007	
alpha/beta Thujone mixture	76231-76-0 COSM/NATL	GAV	R2 M22	TR-570	PB2012-102007	
Toluene	108-88-3 FUEL/N/S	GAV	R2 M3	TR-371	PB90-256371	
p-Toluenesulfonamide	70-55-3 PEST/SYN	FEED	RD M3	TOX-88		
o-Toluidine hydrochloride	636-21-5 DYE	FEED	R2	TOX-44	PB96-188321	
1,1,1-Trichloroethane	71-55-6 SOLV/SYN	MICRO	R2 M3	TOX-41	PB2001-100476	
2,4,7-Trinitro-fluoren-9-one	129-79-3 PHOT/SYN	SP	R2 M3	TOX-13	PB92-238864/AS	
2,4,7-Trinitro-fluoren-9-one	129-79-3 PHOT/SYN	FEED	R2 M3	TOX-13	PB92-238864/AS	
Urethane	51-79-6 PNT/SYN	WATER	R2 M3	TOX-52	PB96-175575	
Urethane + ethanol (combination)	URETHCOMB	PNT/N/S	WATER	R2 M3	TOX-52	PB96-175575
Vanadium pentoxide	1314-62-1 INTR/NATL	INHAL	R2 M3	TR-507	PB2003102385	

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See Page 4 for explanation of Carcinogen Codes

\*\* The NCI and the NTP Technical Reports for the following chemicals are available from the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, Phone: (703) 605-6000 or 1-800-553-6847 (rush orders only). Technical reports numbered 220 or higher may also be available from Central Data Management (CDM) (TELEPHONE: 919-541-3419; FAX: (301) 480-3210; Mail Drop K2-05, NIEHS, P. O. BOX 12233,

Research Triangle Park, NC USA 27709; EMAIL: CDM@NIEHS.NIH.GOV) . All requests containing checks, money orders, or purchase orders should be sent to NTIS.

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Printed Long-Term and Short-Term Study Reports

Long-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
Acetaminophen (4-hydroxyacetanilide)	103-90-2	DYE/SYN	FEED	R2 M3	TR-394	PB93-227478	NE	EE	NE	NE
Acetohexamide	968-81-0	PHAR/SYN	FEED	R2 M3	TR-050	PB284673	N	N	N	N
Acetonitrile	75-05-8	SOLV/SYN	INHAL	R2 M3	TR-447	PB96-214937	EE	NE	NE	NE
Acronycine	7008-42-6	CMOT/NATL	IP/IJ	R8 M3	TR-049	PB283347	P	P	IS	IS
Acrylamide	79-06-1	COMT/SYN	WATER	RC MV	TR-575	PB2013102800	CE	CE	CE	CE
Acrylonitrile	107-13-1	INTR/SYN	GAV	M3	TR-506	PB2002-102198			CE	CE
Agar	9002-18-0	FOOD/NATL	FEED	R2 M3	TR-230	PB82-227588	N	N	N	N
Aldicarb	116-06-3	PEST/SYN	FEED	R2 M3	TR-136	PB298511	N	N	N	N
Aldrin	309-00-2	PEST/SYN	FEED	R1 M3	TR-021	PB275666	E	E	P	P
Allyl chloride	107-05-1	INTR/SYN	GAV	R1 M3	TR-073	PB287516	N	N	E	E
Allyl glycidyl ether	106-92-3	SOLV/SYN	INHAL	R1 M3	TR-376	PB90-260027	EE	NE	SE	SE
Allyl isothiocyanate	57-06-7	FOOD/NATL	GAV	R2 M3	TR-234	PB83-144238	P	E	N	N
Allyl isovalerate	2835-39-4	FOOD/SYN	GAV	R2 M3	TR-253	PB83-218214	P	N	N	N
Aloe-emodin	481-72-1	DIET/NATL	SP	MT	TR-553	PB2011-101386				
Aloe phototoxicity studies	ALOEPHOTOX	DIET/NATL	SP	MT	TR-553	PB2011-101386				
Aloe vera charcoal filtered whole leaf extract	ALOEVFILTER	DIET/NATL	SP	MT	TR-553	PB2011-101386				
Aloe vera gel	8001-97-6	DIET/NATL	SP	MT	TR-553	PB2011-101386				
Aloe vera whole leaf extract (native)	ALOEVLAFEXT	DIET/NATL	WATER	RC MV	TR-577	PB2014-100511	CE	CE	NE	NE
Aloe vera whole leaf extract (native)	ALOEVLAFEXT	DIET/NATL	SP	MT	TR-553	PB2011-101386				
alpha/beta Hydroxy acids (glycolic acid, salicylic acid)	HYDROXGLYSAL	COSM/N/S	SP	MT	TR-524	PB2008109732			NE	NE
2-Aminoanthraquinone	117-79-3	DYE/SYN	FEED	R2 M3	TR-144	PB287739	P	IS	P	P
1-Amino-2,4-dibromoanthraquinone	81-49-2	DYE/SYN	FEED	R2 M3	TR-383	PB97-116636	CE	CE	CE	CE
3-Amino-4-ethoxyacetanilide	17026-81-2	DYE	FEED	R2 M3	TR-112	PB285194	N	N	P	P
3-Amino-9-ethylcarbazole HCl	6109-97-3	DYE	FEED	R2 M3	TR-093	PB287126	P	P	P	P
1-Amino-2-methylanthraquinone	82-28-0	DYE/SYN	FEED	R2 M3	TR-111	PB286852	P	P	N	N
2-Amino-4-nitrophenol	99-57-0	DYE/SYN	GAV	R2 M3	TR-339	PB89-128623	SE	NE	NE	NE
2-Amino-5-nitrophenol	121-88-0	DYE/SYN	GAV	R2 M3	TR-334	PB88-184809	SE	NE	NE	NE
4-Amino-2-nitrophenol	119-34-6	DYE/SYN	FEED	R2 M3	TR-094	PB286189	P	E	N	N
2-Amino-5-nitrothiazole	121-66-4	PHAR/SYN	FEED	R2 M3	TR-053	PB283346	P	N	N	N
11-Aminoundecanoic acid	2432-99-7	INTR/SYN	FEED	R2 M3	TR-216	PB82-225640	P	N	E	E
DL-amphetamine sulfate	60-13-9	PHAR/SYN	FEED	R2 M3	TR-387	PB92-107978	NE	NE	NE	NE
Ampicillin trihydrate	7177-48-2	PHAR/N/S	GAV	R2 M3	TR-318	PB87-204160	EE	NE	NE	NE
Androstenedione	63-05-8	DIET/SYN	GAV	R2 M22	TR-560	PB2011-100790	EE	EE	CE	CE
Anilazine	101-05-3	FUNG/SYN	FEED	R2 M3	TR-104	PB287141	N	N	N	N
Aniline hydrochloride	142-04-1	DYE/NATL	FEED	R2 M3	TR-130	PB287539	P	P	N	N
o-Anisidine hydrochloride	134-29-2	DYE	FEED	R2 M3	TR-089	PB285879	P	P	P	P
p-Anisidine hydrochloride	20265-97-8	DYE	FEED	R2 M3	TR-116	PB286951	E	N	N	N
o-Anthranilic acid	118-92-3	DYE/NATL	FEED	R2 M3	TR-036	PB278883	N	N	N	N
Anthraquinone	84-65-1	DYE/SYN	FEED	R2 M3	TR-494	PB2006-101509	SE	CE	CE	CE
Aroclor 1254	11097-69-1	ELEC	FEED	R2	TR-038	PB279624	E	E		
Asbestos, amosite	12172-73-5	NSUL/NATL	FEED	R2	TR-279	PB91-172312	N	N		
Asbestos, amosite	12172-73-5	NSUL/NATL	FEED	H1	TR-249	PB87-133278				
Asbestos, amosite + Dimethyl hydrazine	12172-73-5	FLAM/NATL	FEED	R2	TR-279	PB91-172312	IS	IS		
Asbestos, chrysotile(IR)	12001-29-5	TEXTL/NATL	FEED	R2	TR-295	PB86-167103	SE	NE		
Asbestos, chrysotile(IR)	12001-29-5	TEXTL/NATL	FEED	H1	TR-246	PB91-142380				
Asbestos, chrysotile(IR)	12001-29-5	TEXTL/NATL	FEED	R2	TR-295	PB86-167103				
Asbestos, chrysotile(IR) + Dimethyl hydrazine	12001-29-5	TEXTL/NATL	FEED	H1	TR-246	PB91-142380				
Asbestos, chrysotile(IR) + Dimethyl hydrazine	12001-29-5	TEXTL/NATL	FEED	R2	TR-295	PB86-167103	IS	IS		
Asbestos, chrysotile(SR)	12001-29-5	TEXTL/NATL	FEED	R2	TR-295	PB86-167103	NE	NE		
Asbestos, chrysotile(SR)	12001-29-5	TEXTL/NATL	FEED	H1	TR-246	PB91-142380				
Asbestos, crocidolite	12001-28-4	NSUL/NATL	FEED	R2	TR-280	PB89-178529	N	N		
L-Ascorbic acid	50-81-7	COSM/NATL	FEED	R2 M3	TR-247	PB83-201194	N	N	N	N
Aspirin, phenacetin, and caffeine	8003-03-0	PHAR/N/S	FEED	R2 M3	TR-067	PB284684	N	E	N	N
5-Azacytidine	320-67-2	CMOT/SYN	IP/IJ	R8 M3	TR-042	PB279526	IS	IS	IS	IS
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MV M3	TR-569	PB2013-104938			NE	NE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MV	TR-569	PB2013-104938			NE	NE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MV	TR-569	PB2013-104938			SE	SE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MV	TR-569	PB2013-104938			NE	NE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MJ	GMM-14	PB2014-103470			CE	CE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MS	GMM-16	PB2014-103469			CE	CE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MS	GMM-16	PB2014-103469			NE	NE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MS	GMM-16	PB2014-103469			NE	NE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MS	GMM-16	PB2014-103469			CE	CE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	MS	GMM-16	PB2014-103469			CE	CE
3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	CMOT/SYN	GAV	R2 M3	TR-469	PB99-145807	EE	EE		

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See Page 4 for explanation of Carcogen Codes



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Printed Long-Term and Short-Term Study Reports

Long-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
Azinphosmethyl	86-50-0	PEST/SYN	FEED	R1 M3	TR-069	PB286371	E	N	N	N
Azobenzene	103-33-3	DYE/SYN	FEED	R2 M3	TR-154	PB293835	P	P	N	N
AZT+3TC+NVP combination	AZT3TCCOMBO	PHAR/SYN	GAV	MJ	GMM-16	PB2014-103469				
AZT/Drug Combinations Transplacental Carcinogenesis Study	AIDSTHERAPEU	PHAR/SYN	UTERO	MV	TR-569	PB2013-104938				
AZT transplacental carcinogenesis study	30516-87-1	CMOT/SYN	UTERO	M5	TR-522	PB2006-115448			CE	CE
Barium chloride dihydrate	10326-27-9	DYE/NATL	WATER	R2 M3	TR-432	PB94-214178	NE	NE	NE	NE
Benzaldehyde	100-52-7	INTR/N/S	GAV	R2 M3	TR-378	PB90-253782	NE	NE	SE	SE
Benzene	71-43-2	COMT/N/S	GAV	R2 M3	TR-289	PB86-216967	CE	CE	CE	CE
Benzethonium chloride	121-54-0	COSM/SYN	SP	R2 M3	TR-438	PB96-162300	NE	NE	NE	NE
Benzofuran	271-89-6	INTR/SYN	GAV	R2 M3	TR-370	PB90-231127	NE	SE	CE	CE
Benzoin	119-53-9	FOOD/SYN	FEED	R2 M3	TR-204	PB80-217953	N	N	N	N
Benzophenone	119-61-9	PHAR/SYN	FEED	R2 M22	TR-533	PB2006-111481	SE	EE	SE	SE
p-Benzoquinone dioxime	105-11-3	RUBR/SYN	FEED	R2 M3	TR-179	PB291501	N	P	N	N
1,2,3-Benzotriazole	95-14-7	INTR/SYN	FEED	R2 M3	TR-088	PB285202	E	E	N	N
Benzyl acetate	140-11-4	COSM/N/S	GAV	R2 M3	TR-250	PB87-115044	EE	NE	SE	SE
Benzyl acetate	140-11-4	COSM/N/S	FEED	R2 M3	TR-431	PB94-184033	NE	NE	NE	NE
Benzyl alcohol	100-51-6	COSM/NATL	GAV	R2 M3	TR-343	PB90-110206	NE	NE	NE	NE
o-Benzyl-p-chlorophenol	120-32-1	GERM/SYN	SP	M5	TR-444	PB96-162342				
o-Benzyl-p-chlorophenol	120-32-1	GERM/SYN	GAV	R2 M3	TR-424	PB94-214202	NE	EE	SE	SE
2-Biphenylamine hydrochloride	2185-92-4	DYE/SYN	FEED	R2 M3	TR-233	PB83-138842	N	N	E	E
2,2-bis(Bromomethyl)-1,3-propanediol	3296-90-0	FLAM/SYN	FEED	R2 M3	TR-452	PB97-120224	CE	CE	CE	CE
bis(2-Chloro-1-methylethyl) ether	108-60-1	SOLV/SYN	GAV	R2	TR-191	PB299741	N	N		
bis(2-Chloro-1-methylethyl) ether	108-60-1	SOLV/SYN	GAV	M3	TR-239	PB83-169615			P	P
Bisphenol A	80-05-7	INTR/SYN	FEED	R2 M3	TR-215	PB82-184060	E	E	E	E
Boric acid	10043-35-3	COSM/NATL	FEED	M3	TR-324	PB88-213475			NE	NE
Bromodichloromethane	75-27-4	INTR/SYN	GAV	R2 M3	TR-321	PB88-168687	CE	CE	CE	CE
Bromoethane (ethyl bromide)	74-96-4	INTR/SYN	INHAL	R2 M3	TR-363	PB90-219445	SE	EE	EE	EE
1-Bromopropane	106-94-5	ADHS/SYN	INHAL	R2 M22	TR-564	PB2011-114187	SE	CE	NE	NE
1,3-Butadiene	106-99-0	INTR/N/S	INHAL	M3	TR-288	PB85-179646			CE	CE
1,3-Butadiene	106-99-0	INTR/N/S	INHAL	M3	TR-434	PB94-101631			CE	CE
2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	INTR/SYN	INHAL	R2 M3	TR-484	PB2000-105865	NE	EE	SE	SE
tert-Butyl alcohol	75-65-0	IND/SYN	WATER	R2 M3	TR-436	PB96-162748	SE	NE	EE	EE
Butylated hydroxytoluene	128-37-0	FOOD/SYN	FEED	R2 M3	TR-150	PB298539	N	N	N	N
Butyl benzyl phthalate	85-68-7	PLAS/SYN	FEED	R2 M3	TR-213	PB83-118398	IS	P	N	N
Butyl benzyl phthalate	85-68-7	PLAS/SYN	FEED	R2	TR-458	PB98-131089	SE	EE		
n-Butyl chloride	109-69-3	INTR/SYN	GAV	R2 M3	TR-312	PB86-218526	NE	NE	NE	NE
t-Butylhydroquinone	1948-33-0	COSM	FEED	R2 M3	TR-459	PB98-107170	NE	NE	NE	NE
gamma-Butyrolactone	96-48-0	INTR/SYN	GAV	R2 M3	TR-406	PB92-189323	NE	NE	EE	EE
Calcium cyanamide	156-62-7	PEST/SYN	FEED	R2 M3	TR-163	PB293625	N	N	N	N
Caprolactam	105-60-2	TEXTL/SYN	FEED	R2 M3	TR-214	PB82-190182	N	N	N	N
Captan	133-06-2	FUNG/SYN	FEED	R1 M3	TR-015	PB273475	N	N	P	P
Carbromal	77-65-6	PHAR/SYN	FEED	R2 M3	TR-173	PB290130	N	N	N	N
D-Carvone	2244-16-8	COSM/NATL	GAV	R2 M3	TR-381	PB90-241100			NE	NE
Chloral hydrate	302-17-0	PHAR/SYN	GAV	R2 MV	TR-502	PB2002-105712				
Chloral hydrate	302-17-0	PHAR/SYN	GAV	MV	TR-503	PB2003-103039			SE	SE
Chloramben	133-90-4	HERB/SYN	FEED	R1 M3	TR-025	PB273065	N	N	E	E
Chloraminated water	CHLORAMINEMX	WATR/SYN	WATER	R2 M3	TR-392	PB92-191659	NE	EE	NE	NE
Chlordane (analytical grade)	57-74-9	PEST/SYN	FEED	R1 M3	TR-008	PB271977	N	N	P	P
Chlordecone	143-50-0	FUNG/SYN	FEED	R1 M3	TR-000	PB264041	P	P	P	P
Chlorendic acid	115-28-6	FLAM/SYN	FEED	R2 M3	TR-304	PB87-206835	CE	CE	CE	CE
Chlorinated paraffins: C12, 60% chlorine	108171-26-2	FLAM/SYN	GAV	R2 M3	TR-308	PB86-248101	CE	CE	CE	CE
Chlorinated paraffins: C23, 43% chlorine	108171-27-3	FLAM/SYN	GAV	R2 M3	TR-305	PB86-248093	NE	EE	CE	CE
Chlorinated trisodium phosphate	56802-99-4	DTRG	GAV	R2 M3	TR-294	PB87-189718	IS	IS	NE	NE
Chlorinated water	CHLORWATERMX	WATR/SYN	WATER	R2 M3	TR-392	PB92-191659	NE	EE	NE	NE
2-Chloroacetophenone (CN)	532-27-4	MLTR/SYN	INHAL	R2 M3	TR-379	PB90-256066	NE	EE	NE	NE
4-(Chloroacetyl)acetanilide	140-49-8	DYE/SYN	FEED	R2 M3	TR-177	PB288754	N	N	N	N
p-Chloroaniline	106-47-8	DYE/SYN	FEED	R2 M3	TR-189	PB295896	E	N	E	E
p-Chloroaniline hydrochloride	20265-96-7	DYE	GAV	R2 M3	TR-351	PB90-222563	CE	EE	SE	SE
o-Chlorobenzalmononitrile (CS)	2698-41-1	MLTR/SYN	INHAL	R2 M3	TR-377	PB90-256280	NE	NE	NE	NE
Chlorobenzene	108-90-7	COSM	GAV	R2 M3	TR-261	PB86-144714	E	N	N	N
Chlorobenzilate	510-15-6	PEST/SYN	FEED	R1 M3	TR-075	PB287123	E	E	P	P
Chlorodibromomethane	124-48-1	LABC/NATL	GAV	R2 M3	TR-282	PB86-166675	NE	NE	EE	EE
Chloroethane	75-00-3	INTR/SYN	INHAL	R2 M3	TR-346	PB90-225053	EE	EE	IS	IS
2-Chloroethanol (ethylene chlorohydrin)	107-07-3	SOLV/SYN	SP	R2 M4	TR-275	PB86-145513	NE	NE	NE	NE
bis(2-Chloroethoxy)methane	111-91-1	SOLV/SYN	SP	R2 M22	TR-536	PB2011-113465	NE	NE	NE	NE
2-Chloroethyltrimethylammonium chloride	999-81-5	FOOD/SYN	FEED	R2 M3	TR-158	PB293627	N	N	N	N
Chloroform	67-66-3	SOLV/SYN	GAV	R1 M3	TR-000	PB264018	P	N	P	P

\*\* MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcnoegen Codes

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Printed Long-Term and Short-Term Study Reports

## Long-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES				
						MR	FR	MM	FM**	
3-Chloro-2-methylpropene	563-47-3	FUME/SYN	GAV	R2 M3	TR-300	PB86-247293	CE	CE	CE	CE
2-Chloromethylpyridine hydrochloride	6959-47-3	INTR/SYN	GAV	R2 M3	TR-178	PB295895	N	N	N	N
3-Chloromethylpyridine hydrochloride	6959-48-4	INTR	GAV	R2 M3	TR-095	PB287125	P	E	P	P
4-Chloro-m-phenylenediamine	5131-60-2	COSM/SYN	FEED	R2 M3	TR-085	PB285201	P	N	N	N
4-Chloro-o-phenylenediamine	95-83-0	DYE/SYN	FEED	R2 M3	TR-063	PB283362	P	P	P	P
2-Chloro-p-phenylenediamine sulfate	61702-44-1	DYE/SYN	FEED	R2 M3	TR-113	PB286370	N	N	N	N
Chloropicrin	76-06-2	PEST/SYN	GAV	R1 M3	TR-065	PB282311	I	I	N	N
Chloroprene	126-99-8	PLAS/SYN	INHAL	R2 M3	TR-467	PB99-123671	CE	CE	CE	CE
1-Chloro-2-propanol, technical	127-00-4	INTR/SYN	WATER	R2 M3	TR-477	PB99-119240	NE	NE	NE	NE
Chlorothalonil	1897-45-6	PEST/SYN	FEED	R1 M3	TR-041	PB286369	P	P	N	N
3-Chloro-p-toluidine	95-74-9	DYE/SYN	FEED	R2 M3	TR-145	PB287401	N	N	N	N
5-Chloro-o-toluidine	95-79-4	INTR/SYN	FEED	R2 M3	TR-187	PB291468	N	N	P	P
4-Chloro-o-toluidine hydrochloride	3165-93-3	INTR/SYN	FEED	R2 M3	TR-165	PB295864	N	N	P	P
Chlorpheniramine maleate	113-92-8	PHAR/SYN	GAV	R2 M3	TR-317	PB87-146759	NE	NE	NE	NE
Chlorpropamide	94-20-2	PHAR/SYN	FEED	R2 M3	TR-045	PB275178	N	N	N	N
Chromium picolinate monohydrate	27882-76-4	DIET/SYN	FEED	R2 M22	TR-556	PB2010-115374	EE	NE	NE	NE
C.I. Acid Orange 3	6373-74-6	DYE/SYN	GAV	R2 M3	TR-335	PB89-216550	NE	CE	NE	NE
C.I. Acid Orange 10	1936-15-8	DYE/SYN	FEED	R2 M3	TR-211	PB88-169347	N	N	N	N
C.I. Acid Red 14	3567-69-9	DYE/SYN	FEED	R2 M3	TR-220	PB82-201468	N	N	N	N
C.I. Acid Red 114	6459-94-5	DYE	WATER	R2	TR-405	PB92-189380	CE	CE		
C.I. Basic Red 9 Monohydrochloride	569-61-9	DYE/SYN	FEED	R2 M3	TR-285	PB86-186509	CE	CE	CE	CE
C.I. Direct Blue 15	2429-74-5	DYE	WATER	R2	TR-397	PB93-126373	CE	CE		
C.I. Direct Blue 218	28407-37-6	DYE	FEED	R2 M3	TR-430	PB94-215993	SE	NE	CE	CE
C.I. Disperse Blue 1	2475-45-8	DYE/SYN	FEED	R2 M3	TR-299	PB86-248051	CE	CE	EE	EE
C.I. Disperse Yellow 3	2832-40-8	DYE	FEED	R2 M3	TR-222	PB82-230061	P	N	N	N
trans-Cinnamaldehyde	14371-10-9	FOOD/NATL	MICRO	R2 M3	TR-514	PB2004-104394	NE	NE	NE	NE
Cinnamyl anthranilate	87-29-6	FOOD/SYN	FEED	R2 M3	TR-196	PB81-143141	P	N	P	P
C.I. Pigment Red 3	2425-85-6	DYE	FEED	R2 M3	TR-407	PB92-191634	SE	SE	SE	SE
C.I. Pigment Red 23	6471-49-4	DYE	FEED	R2 M3	TR-411	PB93-228435	EE	NE	NE	NE
C.I. Solvent Yellow 14	842-07-9	DYE/SYN	FEED	R2 M3	TR-226	PB83-126474	P	P	N	N
Citral	5392-40-5	FOOD/NATL	MICRO	R2 M3	TR-505	PB2003-103040	NE	NE	NE	NE
C.I. Vat Yellow 4	128-66-5	DYE	FEED	R2 M3	TR-134	PB288821	N	N	P	P
Clonitralid	1420-04-8	PEST	FEED	R1 M3	TR-091	PB287124	N	E	IS	IS
Cobalt	7440-48-4	IND/NATL	INHAL	R2 RD	TR-581	PB2015-101829	CE	CE	CE	CE
				M22						
Cobalt sulfate heptahydrate	10026-24-1	DYE/NATL	INHAL	R2 M3	TR-471	PB99-106627	SE	CE	CE	CE
Coconut oil acid diethanolamine condensate	68603-42-9	TEXTL/N/S	SP	R2 M3	TR-479	PB2001-103205	NE	EE	CE	CE
Cocaine	76-57-3	INTR/N/S	FEED	R2 M3	TR-455	PB97-116743	NE	NE	NE	NE
Corn oil	8001-30-7	FOOD/NATL	GAV	R2	TR-426	PB95-103958				
Coumaphos	56-72-4	PEST/SYN	FEED	R2 M3	TR-096	PB290305	N	N	N	N
Coumarin	91-64-5	PHAR/NATL	GAV	R2 M3	TR-422	PB94-215761	SE	EE	SE	SE
m-Cresidine	102-50-1	DYE	GAV	R2 M3	TR-105	PB286188	P	P	IS	IS
p-Cresidine	120-71-8	DYE	FEED	R2 M3	TR-142	PB295835	P	P	P	P
Cresols	1319-77-3	DYE/N/S	FEED	R2 M22	TR-550	PB2008-114135	EE			
Cumene	98-82-8	ENVH/N/S	INHAL	R2 M22	TR-542	PB2009-115394	CE	SE	CE	CE
Cupferron	135-20-6	REAG/SYN	FEED	R2 M3	TR-100	PB287409	P	P	P	P
Cytembena	21739-91-3	CMOT/SYN	IP/ IJ	R2 M3	TR-207	PB82-163312	P	P	N	N
Daminozide	1596-84-5	HERB/SYN	FEED	R2 M3	TR-083	PB285073	N	P	E	E
D&C Red No. 9	5160-02-1	DYE/SYN	FEED	R2 M3	TR-225	PB82-229592	P	E	N	N
D&C Yellow No. 11	8003-22-3	COSM/SYN	FEED	R2	TR-463	PB97-107154	SE	SE		
Decabromodiphenyl Ether	1163-19-5	FLAM	FEED	R2 M3	TR-309	PB86-247780	SE	SE	EE	EE
Decalin	91-17-8	LABC/SYN	INHAL	R2 RB M3	TR-513	PB2005-107379	CE	NE	NE	NE
Diallyl phthalate	131-17-9	PLAS	GAV	M3	TR-242	PB83-200824			E	E
Diallyl phthalate	131-17-9	PLAS	GAV	R2	TR-284	PB86-203742	NE	EE		
4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt	7336-20-1	DYE/SYN	FEED	R2 M3	TR-412	PB93-132504	NE	NE	NE	NE
2,4-Diaminoanisole sulfate	39156-41-7	DYE/SYN	FEED	R2 M3	TR-084	PB279940	P	P	P	P
2,4-Diaminophenol dihydrochloride	137-09-7	PHOT/SYN	GAV	R2 M3	TR-401	PB93-117919	NE	NE	SE	SE
2,4-Diaminotoluene (2,4-toluene diamine)	95-80-7	DYE/SYN	FEED	R2 M3	TR-162	PB293593	P	P	N	N
Diarylanilide yellow	6358-85-6	DYE	FEED	R2 M3	TR-030	PB278272	N	N	N	N
Diazinon	333-41-5	PEST/SYN	FEED	R2 M3	TR-137	PB293889	N	N	N	N
Dibenzo-p-dioxin	262-12-4	COMT/SYN	FEED	R1 M3	TR-122	PB288475	N	N	N	N
1,2-Dibromo-3-chloropropane	96-12-8	FUME/SYN	GAV	R1 M3	TR-028	PB277472	P	P	P	P
1,2-Dibromo-3-chloropropane	96-12-8	FUME/SYN	INHAL	R2 M3	TR-206	PB82-225632	P	P	P	P
1,2-Dibromo-2,4-dicyanobutane	35691-65-7	FUNG/SYN	SP	R2 M22	TR-555	PB2010-113180	NE	NE	NE	NE
1,2-Dibromoethane	106-93-4	PEST/SYN	GAV	R1 M3	TR-086	PB288428	P	P	P	P
1,2-Dibromoethane	106-93-4	PEST/SYN	INHAL	R2 M3	TR-210	PB82-181710	P	P	P	P
2,3-Dibromo-1-propanol	96-13-9	FLAM/SYN	SP	R2 M3	TR-400	PB94-206687	CE	CE	CE	CE
Dibutyltin diacetate	1067-33-0	INTR/SYN	FEED	R2 M3	TR-183	PB291567	N	IS	N	N
1,2-Dichlorobenzene (o-dichlorobenzene)	95-50-1	PEST/SYN	GAV	R2 M3	TR-255	PB86-144888	N	N	N	N
1,4-Dichlorobenzene (p-dichlorobenzene)	106-46-7	PEST/SYN	GAV	R2 M3	TR-319	PB87-208617	CE	NE	CE	CE

\*+ MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcino Code

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## Printed Long-Term and Short-Term Study Reports

## Long-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
2,7-Dichlorodibenzo-p-dioxin	33857-26-0	GERM/SYN	FEED	R1 M3	TR-123	PB290570	N	N	E	E
p,p'-Dichlorodiphenyl dichloroethylene	72-55-9	ENVH/SYN	FEED	R1 M3	TR-131	PB286367	N	N	P	P
p,p'-Dichlorodiphenyl sulfone	80-07-9	PLAS	FEED	R2 M3	TR-501	PB2002-100580	NE	NE	NE	NE
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	ENVH/SYN	FEED	R1 M3	TR-131	PB286367	N	N	N	N
1,1-Dichloroethane	75-34-3	SOLV/SYN	GAV	R1 M3	TR-066	PB283345	N	E	N	N
1,2-Dichloroethane	107-06-2	FUME/SYN	GAV	R1 M3	TR-055	PB285968	P	P	P	P
2,4-Dichlorophenol	120-83-2	ENVH/SYN	FEED	R2 M3	TR-353	PB90-106170	NE	NE	NE	NE
2,6-Dichloro-p-phenylenediamine	609-20-1	INTR	FEED	R2 M3	TR-219	PB82-184052	N	N	P	P
1,2-Dichloropropane (propylene dichloride)	78-87-5	FUEL/SYN	GAV	R2 M3	TR-263	PB87-114443	NE	EE	SE	SE
1,3-Dichloropropene (Telone II)	542-75-6	PEST/SYN	GAV	R2 M3	TR-269	PB85-230449	CE	SE	IS	IS
Dichlorvos	62-73-7	PEST/SYN	FEED	R1 M3	TR-010	PB270937	N	N	N	N
Dichlorvos	62-73-7	PEST/SYN	GAV	R2 M3	TR-342	PB90-198508	SE	EE	SE	SE
Dicofol	115-32-2	PEST/SYN	FEED	R1 M3	TR-090	PB286206	N	N	P	P
N,N'-Dicyclohexylthiourea	1212-29-9	REAG	FEED	R2 M3	TR-056	PB281539	N	N	N	N
Dieldrin	60-57-1	PEST/SYN	FEED	R1 M3	TR-021	PB275666	N	N	E	E
Dieldrin	60-57-1	PEST/SYN	FEED	R2	TR-022	PB275676	N	N		
Diesel fuel marine	DIESELFUEL	FUEL/N/S	SP	M3	TR-310	PB87-131678			EE	EE
Diethanolamine	111-42-2	TEXTL/SYN	SP	R2 M3	TR-478	PB99-167553	NE	NE	CE	CE
Diethylamine	109-89-7	INTR/N/S	INHAL	R2 M22	TR-566	PB2012-101985	NE	NE	NE	NE
Di(2-ethylhexyl)adipate	103-23-1	PLAS/SYN	FEED	R2 M3	TR-212	PB82-185927	N	N	P	P
Di(2-ethylhexyl) Phthalate	117-81-7	PLAS/SYN	FEED	R2 M3	TR-217	PB82-184011	P	P	P	P
Di(p-ethylphenyl)dichloroethane	72-56-0	PEST/SYN	FEED	R2 M3	TR-156	PB290582	N	N	N	N
Diethyl phthalate	84-66-2	COSM	SP	R2 M3	TR-429	PB96-162276	NE	NE	EE	EE
Diethyl phthalate/dimethyl phthalate	DIETH/ DIMETH	COSM	SP	M5	TR-429	PB96-162276				
N,N'-Diethylthiourea	105-55-5	METL/SYN	FEED	R2 M3	TR-149	PB288626	P	P	N	N
Diglycidyl resorcinol ether (DGRE)	101-90-6	ADHS/NATL	GAV	R2 M3	TR-257	PB87-146734	P	P	P	P
3,4-Dihydrocoumarin	119-84-6	FOOD/NATL	GAV	R2 M3	TR-423	PB95-103925	SE	NE	NE	NE
1,2-Dihydro-2,2,4-trimethylquinoline (monomer)	147-47-7	IND/SYN	SP	R2 M3 M7	TR-456	PB98-101009	SE	NE	NE	NE
1,2-Dihydro-2,2,4-trimethylquinoline (monomer)	147-47-7	IND/SYN	SP	R2 M3	TR-456	PB98-101009				
Diisopropylcarbodiimide	693-13-0	INTR/SYN	SP	R2 M3	TR-523	PB2007107705	NE	NE	NE	NE
Dimethoate	60-51-5	PEST/SYN	FEED	R1 M3	TR-004	PB264367	N	N	N	N
Dimethoxane	828-00-2	PNT/SYN	GAV	R2 M3	TR-354	PB90-220096	NE	NE	EE	EE
2,4-Dimethoxyaniline hydrochloride	54150-69-5	DYE	FEED	R2 M3	TR-171	PB288625	N	N	N	N
3,3'-Dimethoxybenzidine dihydrochloride	20325-40-0	DYE	WATER	R2	TR-372	PB90-241076	CE	CE		
3,3'-Dimethoxybenzidine-4,4'-diisocyanate	91-93-0	INTR/SYN	FEED	R2 M3	TR-128	PB290154	P	P	N	N
N,N-Dimethylaniline	121-69-7	DYE/SYN	GAV	R2 M3	TR-360	PB90-227240	SE	NE	NE	NE
3,3'-Dimethylbenzidine dihydrochloride	612-82-8	DYE	WATER	R2	TR-390	PB92-103779	CE	CE		
Dimethyl hydrogen phosphite	868-85-9	FLAM/SYN	GAV	R2 M3	TR-287	PB86-144805	CE	EE	NE	NE
Dimethyl methylphosphonate	756-79-6	FLAM/SYN	GAV	R2 M3	TR-323	PB88-168695	SE	NE	IS	IS
Dimethyl morpholinophosphoramidate	597-25-1	MLTR	GAV	R2 M3	TR-298	PB86-186491	SE	SE	NE	NE
Dimethyl terephthalate	120-61-6	TEXTL/SYN	FEED	R2 M3	TR-121	PB299903	N	N	E	E
N,N-Dimethyl-p-toluidine	99-97-8	INTR/SYN	GAV	R2 M22	TR-579	PB2013-101130	CE	CE	CE	CE
Dimethylvinyl chloride (DMVC)	513-37-1	INTR/SYN	GAV	R2 M3	TR-316	PB87-115184	CE	CE	CE	CE
2,4-Dinitrotoluene	121-14-2	DYE/SYN	FEED	R2 M3	TR-054	PB280990	P	P	N	N
1,4-Dioxane	123-91-1	DYE/SYN	WATER	R1 M3	TR-080	PB285711	P	P	P	P
Dioxathion	78-34-2	PEST/SYN	FEED	R1 M3	TR-125	PB286185	N	N	N	N
Diphenhydramine hydrochloride	147-24-0	PHAR/SYN	FEED	R2 M3	TR-355	PB90-219437	EE	EE	NE	NE
5,5-Diphenylhydantoin (phenytoin)	57-41-0	PHAR/SYN	FEED	R2 M3	TR-404	PB94-216009	EE	NE	NE	NE
Dipropylene glycol	25265-71-8	INTR	WATER	R2 M3	TR-511	PB2005100832	NE	NE	NE	NE
2,5-Dithiobiurea	142-46-1	PHOT/SYN	FEED	R2 M3	TR-132	PB291535	N	N	N	N
Divinylbenzene	1321-74-0	PLAS	INHAL	R2 M22	TR-534	PB2007-103745	EE	NE	NE	NE
Doxylamine	469-21-6	PHAR/SYN	FEED	R2 M3	NR-406/407					
Elmiron (sodium pentosanpolysulfate)	37319-17-8	PHAR/SYN	GAV	R2 M3	TR-512	PB2004-106612	NE	NE	SE	SE
Emetine hydrochloride	316-42-7	CMOT/NATL	IP/IJ	R8 M3	TR-043	PB278891	IS	IS	IS	IS
Emodin	518-82-1	PHAR/NATL	FEED	R2 M3	TR-493	PB2001-108194	NE	EE	EE	EE
Endocrine disruptor (Ethinyl estradiol)	57-63-6	PHAR/N/S	FEED	R8	TR-548	PB2011-100789	NE	NE		
Endocrine disruptor (Ethinyl estradiol)	57-63-6	PHAR/N/S	FEED	HSD	TR-548	PB2011-100789	NE	EE		
Endocrine disruptor (Ethinyl estradiol)	57-63-6	PHAR/N/S	FEED	HSD	TR-548	PB2011-100789	EE	EE		
Endocrine disruptor (Genistein)	446-72-0	NATL/NATL	FEED	R8	TR-545	PB2008-114279				
Endosulfan	115-29-7	PEST/SYN	FEED	R1 M3	TR-062	PB281731	IS	N	IS	IS
Endrin	72-20-8	PEST/SYN	FEED	R1 M3	TR-012	PB288461	N	N	N	N
Ephedrine sulfate	134-72-5	PHAR/N/S	FEED	R2 M3	TR-307	PB86-247285	NE	NE	NE	NE
Epinephrine hydrochloride	55-31-2	PHAR/NATL	INHAL	R2 M3	TR-380	PB91-142323	IS	IS	IS	IS
1,2-Epoxybutane	106-88-7	FUEL/SYN	INHAL	R2 M3	TR-329	PB88-216262	CE	EE	NE	NE
Erythromycin stearate	643-22-1	PHAR/NATL	FEED	R2 M3	TR-338	PB89-178537	NE	NE	NE	NE
Estradiol mustard	22966-79-6	CMOT	GAV	R8 M3	TR-059	PB285787	N	N	P	P
Ethanol	64-17-5	PHAR/N/S	WATER	MV	TR-510	PB2005-103486			IS	IS
Ethionamide	536-33-4	CMOT/SYN	FEED	R2 M3	TR-046	PB285193	N	N	N	N

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						MR	FR	MM	FM**	
Ethyl acrylate	140-88-5	COSM/SYN	GAV	R2 M3	TR-259	PB87-204061	P	P	P	P
Ethylbenzene	100-41-4	FUEL/SYN	INHAL	R2 M3	TR-466	PB99-134694	CE	SE	SE	SE
Ethylene glycol	107-21-1	TEXL/SYN	FEED	M3	TR-413	PB93-228427			NE	NE
Ethylene oxide	75-21-8	FUME/SYN	INHAL	M3	TR-326	PB88-169859			CE	CE
Ethylene thiourea (ETU)	96-45-7	PEST/SYN	FEED	R2 M3	TR-388	PB92-191618	CE	CE	CE	CE
Ethyl tellurac	20941-65-5	RUBR/SYN	FEED	R2 M3	TR-152	PB298513	E	N	E	E
Eugenol	97-53-0	PHAR/NATL	FEED	R2 M3	TR-223	PB84-186402	N	N	E	E
FD & C Yellow No. 6	2783-94-0	DYE/SYN	FEED	R2 M3	TR-208	PB82-117433	N	N	N	N
Feed restriction studies	FEEDRESTRICT	FEED	MULTI	R2 M3	TR-460	PB98-131014				
Formulated fenaminosulf	140-56-7	FUNG	FEED	R2 M3	TR-101	PB287443	N	N	N	N
Fenthion	55-38-9	PEST/SYN	FEED	R2 M3	TR-103	PB293832	N	N	E	E
Fish project 1	3296-90-0	FLAM	AQUAT	F1	TR-528	PB 2006-102382				
(2,2-bis(Bromomethyl)-1,3-propanediol)										
Fish project 1	3296-90-0	FLAM	AQUAT	F2	TR-528	PB 2006-102382				
(2,2-bis(Bromomethyl)-1,3-propanediol)										
Fish Project 1 (Nitromethane)	75-52-5	FUEL	AQUAT	F1	TR-528	PB 2006-102382				
Fish Project 1 (Nitromethane)	75-52-5	FUEL	AQUAT	F2	TR-528	PB 2006-102382				
Fish project 1 (1,2,3-Trichloropropane)	96-18-4	INTR	AQUAT	F1	TR-528	PB 2006-102382				
Fish project 1 (1,2,3-Trichloropropane)	96-18-4	INTR	AQUAT	F2	TR-528	PB 2006-102382				
Fluometuron	2164-17-2	HERB/SYN	FEED	R2 M3	TR-195	PB80-217904	N	N	E	E
Formamide	75-12-7	SOLV/SYN	GAV	R2 M22	TR-541	PB2009-115393	NE	NE	CE	CE
Fumonisin B1	116355-83-0	FEED/NATL	FEED	R2 MV	TR-496	PB2002-103492	CE	NE	NE	NE
Furan	110-00-9	DTRG/N/S	GAV	R2 M3	TR-402	PB93-228419	CE	CE	CE	CE
Furfural	98-01-1	INTR/N/S	GAV	R2 M3	TR-382	PB91-108662	SE	NE	CE	CE
Furfuryl alcohol	98-00-0	FOOD/N/S	INHAL	R2 M3	TR-482	PB99-151482	SE	EE	SE	SE
Furosemide	54-31-9	PHAR/SYN	FEED	R2 M3	TR-356	PB90-106162	EE	NE	NE	NE
Gallium arsenide	1303-00-0	ELEC/SYN	INHAL	R2 M3	TR-492	PB2001-102003	NE	CE	NE	NE
Geranyl acetate	105-87-3	FOOD/NATL	GAV	R2 M3	TR-252	PB88-174313	N	N	N	N
Ginkgo biloba extract	90045-36-6	DIET/NATL	GAV	R2 M22	TR-578	PB2013-107073	SE	SE	CE	CE
Ginseng	50647-08-0	DIET/NATL	GAV	R2 M22	TR-567	PB2012100177	NE	NE	NE	NE
Glutaraldehyde	111-30-8	ADHS/SYN	INHAL	R2 M3	TR-490	PB2000-1014184	NE	NE	NE	NE
Glycidamide	5694-00-8	LABC/SYN	WATER	RC MV	TR-588	PB2015-102754	CE	CE	CE	CE
Glycidol	556-52-5	SOLV/SYN	GAV	R2 M3	TR-374	PB90-259094	CE	CE	CE	CE
Goldenseal root powder	GOLDENSEALRT	DIET/NATL	FEED	R2 M22	TR-562	PB2011-101388	CE	CE	SE	SE
Green Tea Extract	GREENTEAEXTR	DIET/NATL	GAV	RD RE M22	TR-585		NE	NE	NE	NE
Guar gum	9000-30-0	FOOD/NATL	FEED	R2 M3	TR-229	PB82-202813	N	N	N	N
Gum Arabic	9000-01-5	FOOD/NATL	FEED	R2 M3	TR-227	PB82-229584	N	N	N	N
HC Blue 1	2784-94-3	DYE/SYN	FEED	R2 M3	TR-271	PB86-114683	EE	SE	CE	CE
HC Blue 2	33229-34-4	DYE/SYN	FEED	R2 M3	TR-293	PB86-108339	NE	NE	NE	NE
HC Red 3	2871-01-4	DYE/SYN	GAV	R2 M3	TR-281	PB86-188075	NE	NE	EE	EE
HC Yellow 4	59820-43-8	DYE/SYN	FEED	R2 M3	TR-419	PB93-123883	EE	NE	NE	NE
Heptachlor	76-44-8	PEST/SYN	FEED	R1 M3	TR-009	PB271967	N	E	P	P
Hexachlorocyclopentadiene	77-47-4	FLAM/SYN	INHAL	R2 M3	TR-437	PB94-214186	NE	NE	NE	NE
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	PEST	GAV	R1 M3	TR-198	PB81-124844	E	P	P	P
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	PEST	SP	M6	TR-202	PB81-124836			N	N
Hexachloroethane	67-72-1	SOLV/SYN	GAV	R1 M3	TR-068	PB282668	N	N	P	P
Hexachloroethane	67-72-1	SOLV/SYN	GAV	R2	TR-361	PB90-170895	CE	NE		
Hexachlorophene	70-30-4	GERM/SYN	FEED	R2	TR-040	PB279525	N	N		
2,4-Hexadienal	142-83-6	FOOD/N/S	GAV	R2 M3	TR-509	PB2004102548	CE	CE	CE	CE
Hexamethyl-p-rosaniline chloride	548-62-9	PHAR/SYN	FEED	R2	NR-338					
Hexamethyl-p-rosaniline chloride	548-62-9	PHAR/SYN	FEED	M3	NR-304					
4-Hexylresorcinol	136-77-6	PHAR/SYN	GAV	R2 M3	TR-330	PB89-128607	NE	NE	EE	EE
Hydrazobenzene	122-66-7	REAG/SYN	FEED	R2 M3	TR-092	PB285791	P	P	N	N
Hydrochlorothiazide	58-93-5	PHAR/SYN	FEED	R2 M3	TR-357	PB90-110156	NE	NE	EE	EE
Hydroquinone	123-31-9	COSM/N/S	GAV	R2 M3	TR-366	PB90-240839	SE	SE	NE	NE
5-(Hydroxymethyl)-2-furfural	67-47-0	NATL/N/S	GAV	R2 M22	TR-554	PB2010-113179	NE	NE	NE	NE
8-Hydroxyquinoline	148-24-3	GERM/N/S	FEED	R2 M3	TR-276	PB85-213361	NE	NE	NE	NE
ICRF-159	21416-87-5	CMOT	IP/IJ	R8 M3	TR-078	PB285853	N	P	N	N
IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)	3458-22-8	CMOT	IP/IJ	R8 M3	TR-018	PB277455	E	E	E	E
Indium phosphide	22398-80-7	ELEC/SYN	INHAL	R2 M3	TR-499	PB2002-100069	CE	CE	CE	CE
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	LABC/SYN	SP	M3	TR-441	PB96-214655				
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	LABC/SYN	SP	M5	TR-441	PB96-214655				
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	LABC/SYN	SP	M3 M5 M7	TR-441	PB96-214655				
Interferon AD (AIDS Initiative)	INTERFERONAD	PHAR/NATL	SC/IJ	M3	TR-469	PB99-145807				
Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative)	INTAZTCOMB	PHAR/SYN	SC&GV	M3	TR-469	PB99-145807				

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							MR	FR	MM	FM**
Interferon A (AIDS Initiative)	76543-88-9	PHAR/SYN	SC/IJ	M3	TR-469	PB99-145807				
Iodinated glycerol	5634-39-9	PHAR/SYN	GAV	R2 M3	TR-340	PB90-259102	SE	NE	NE	NE
Iodoform	75-47-8	PHAR/SYN	GAV	R1 M3	TR-110	PB286344	N	N	N	N
Isobutene	115-11-7	RUBR/SYN	INHAL	R2 M3	TR-487	PB99-147670	SE	NE	NE	NE
Isobutyl nitrite	542-56-3	ENVH/SYN	INHAL	R2 M3	TR-448	PB97-120232	CE	CE	SE	SE
Isobutyraldehyde	78-84-2	INTR/N/S	INHAL	R2 M3	TR-472	PB99-134785	NE	NE	NE	NE
Isoeugenol	97-54-1	FOOD/NATL	GAV	R2 M22	TR-551	PB2012111404	EE	NE	CE	CE
Isophorone	78-59-1	INTR/SYN	GAV	R2 M3	TR-291	PB86-181823	SE	NE	EE	EE
Isophosphamide	3778-73-2	CMOT/SYN	IP/IJ	R8 M3	TR-032	PB275677	N	P	N	N
Isoprene	78-79-5	RUBR/N/S	INHAL	R2	TR-486	PB2000-101651	CE	SE		
Kava kava extract	9000-38-8	COSM	GAV	R2 M22	TR-571	PB2012-107445	EE	NE	CE	CE
Lasiocarpine	303-34-4	PHAR/NATL	FEED	R2	TR-039	PB278641	P	P		
Lauric acid diethanolamine condensate	120-40-1	DTRG/SYN	SP	R2 M3	TR-480	PB99-169989	NE	NE	NE	NE
Lead dimethyldithiocarbamate	19010-66-3	OCCH	FEED	R2 M3	TR-151	PB298512	N	N	N	N
Leucomalachite green	129-73-7	FUNG/SYN	FEED	R2 MV	TR-527	PB2005-107573	EE	EE		
D-Limonene	5989-27-5	FOOD/NATL	GAV	R2 M3	TR-347	PB90-231416	CE	NE	NE	NE
Lindane	58-89-9	PEST/SYN	FEED	R1 M3	TR-014	PB273480	N	N	N	N
Lithocholic acid	434-13-9	LABC/NATL	GAV	R2 M3	TR-175	PB288476	N	N	N	N
Locust bean gum	9000-40-2	FOOD/NATL	FEED	R2 M3	TR-221	PB82-163320	N	N	N	N
Magnetic fields (EMF)	ELECTROMAG	ELEC	WB	R2 M3	TR-488	PB99-152886	EE	NE	NE	NE
Malachite green	569-64-2	GERM/SYN	FEED	R2 MV	TR-527	PB2005-107573	EE	EE		
Malaaxon	1634-78-2	PEST/SYN	FEED	R2 M3	TR-135	PB299858	N	N	N	N
Malathion	121-75-5	PEST/SYN	FEED	R1 M3	TR-024	PB278527	N	N	N	N
Malathion	121-75-5	PEST/SYN	FEED	R2	TR-192	PB300301	N	N		
Malonaldehyde, sodium salt	24382-04-5	FOOD/NATL	GAV	R2 M3	TR-331	PB89-204010	CE	CE	NE	NE
Manganese sulfate monohydrate	10034-96-5	DYE/NATL	FEED	R2 M3	TR-428	PB94-217148	NE	NE	EE	EE
D-Mannitol	69-65-8	PHAR/N/S	FEED	R2 M3	TR-236	PB83-129080	N	N	N	N
Melamine	108-78-1	INTR/SYN	FEED	R2 M3	TR-245	PB83-202630	P	N	N	N
DL-menthol	15356-70-4	PHAR/NATL	FEED	R2 M3	TR-098	PB288761	N	N	N	N
2-Mercaptobenzothiazole	149-30-4	RUBR/SYN	GAV	R2 M3	TR-332	PB88-245154	SE	SE	NE	NE
Mercuric chloride	7487-94-7	WOOD/SYN	GAV	R2 M3	TR-408	PB94-101649	SE	EE	EE	EE
Metal Working Fluids: CIMSTAR 3800	CIMSTAR3800	METL/SYN	INHAL	RE RD M22	TR-586		EE	EE	NE	NE
Metal Working Fluids: TRIM® VX	TRIMVX	METL/SYN	INHAL	RE M3	TR-591		EE	EE	CE	CE
Methacrylonitrile	126-98-7	INTR/SYN	GAV	R2 M3	TR-497	PB2002-102199	NE	NE	NE	NE
Methoxychlor	72-43-5	PEST/SYN	FEED	R1 M3	TR-035	PB278271	N	N	N	N
8-Methoxypsoralen	298-81-7	PHAR/NATL	GAV	R2	TR-359	PB90-110164	CE	NE		
alpha-Methylbenzyl alcohol	98-85-1	COSM/SYN	GAV	R2 M3	TR-369	PB90-241092	SE	NE	NE	NE
Methyl bromide	74-83-9	FUME/SYN	INHAL	M3	TR-385	PB92-189257			NE	NE
Methyl carbamate	598-55-0	INTR/SYN	GAV	R2 M3	TR-328	PB88-168570	CE	CE	NE	NE
Methylodopa sesquihydrate	41372-08-1	PHAR/SYN	FEED	R2 M3	TR-348	PB89-216527	NE	NE	EE	EE
4,4'-Methylenebis(N,N-dimethyl)benzenamine	101-61-1	DYE/SYN	FEED	R2 M3	TR-186	PB299856	P	P	E	E
Methylene blue trihydrate	7220-79-3	DYE	GAV	R2 M3	TR-540	PB2015-102751	SE	NE	SE	SE
Methylene chloride	75-09-2	SOLV/SYN	INHAL	R2 M3	TR-306	PB86-187903	SE	CE	CE	CE
4,4'-Methylenedianiline dihydrochloride	13552-44-8	INTR	WATER	R2 M3	TR-248	PB83-238824	P	P	P	P
Methyleugenol	93-15-2	FOOD/NATL	GAV	R2 M3	TR-491	PB2000-107865	CE	CE	CE	CE
2-Methylimidazole	693-98-1	INTR/N/S	FEED	R2 M22	TR-516	PB2005-103484	SE	CE	SE	SE
4-Methylimidazole	822-36-6	FOOD/N/S	FEED	R2 M3	TR-535	PB2007-106091	NE	EE	CE	CE
Methyl isobutyl ketone	108-10-1	PNT/SYN	INHAL	R2 M3	TR-538	PB2007-107706	SE	EE	SE	SE
Methyl methacrylate	80-62-6	INTR/N/S	INHAL	R2 M3	TR-314	PB87-146742	NE	NE	NE	NE
2-Methyl-1-nitroanthraquinone	129-15-7	INTR/SYN	FEED	R2 M3	TR-029	PB277439	P	P	P	P
N-Methylolacrylamide	924-42-5	PLAS/SYN	GAV	R2 M3	TR-352	PB90-226374	NE	NE	CE	CE
Methyl parathion	298-00-0	PEST/SYN	FEED	R2 M3	TR-157	PB295891	N	N	N	N
Methylphenidate hydrochloride	298-59-9	PHAR/SYN	FEED	R2 M3	TR-439	PB96-162615	NE	NE	SE	SE
alpha-Methylstyrene	98-83-9	ADHS	INHAL	R2 M22	TR-543	PB2014-104052	SE	NE	EE	EE
Methyl trans-styryl ketone	1896-62-4	COSM/SYN	SP	R2 M22	TR-572	PB2012112090	NE	NE	NE	NE
Mexacarbate	315-18-4	PEST/SYN	FEED	R1 M3	TR-147	PB287471	N	N	N	N
Michler's ketone	90-94-8	DYE/SYN	FEED	R2 M3	TR-181	PB299855	P	P	P	P
Milk thistle extract	84604-20-6	DIET/NATL	FEED	R2 M22	TR-565	PB2011-110858	NE	NE	NE	NE
Mirex	2385-85-5	FLAM/SYN	FEED	R2	TR-313	PB90-241084	CE	CE		
Molybdenum trioxide	1313-27-5	DYE/SYN	INHAL	R2 M3	TR-462	PB98-107048	EE	NE	SE	SE
Monochloroacetic acid	79-11-8	DYE/SYN	GAV	R2 M3	TR-396	PB92-189372	NE	NE	NE	NE
Monuron	150-68-5	HERB/SYN	FEED	R2 M3	TR-266	PB89-109615	CE	NE	NE	NE
beta-Myrcene	123-35-3	COSM/N/S	GAV	R2 M22	TR-557	PB2011-105235	CE	EE	CE	CE
Nalidixic acid	389-08-2	PHAR/SYN	FEED	R2 M3	TR-368	PB90-256389	CE	CE	EE	EE
Naphthalene	91-20-3	INTR/NATL	INHAL	M3	TR-410	PB92-224260/AS			NE	NE
Naphthalene	91-20-3	INTR/NATL	INHAL	R2	TR-500	PB2001-103699	CE	CE		
1,5-Naphthalenediamine	2243-62-1	INTR	FEED	R2 M3	TR-143	PB287646	N	P	P	P
N-(1-Naphthyl)ethylenediamine dihydrochloride	1465-25-4	REAG	FEED	R2 M3	TR-168	PB289733	N	N	N	N
Navy fuels JP-5	8008-20-6	FUEL/N/S	SP	M3	TR-310	PB87-131678			NE	NE

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Nickel (II) oxide	1313-99-1	ELEC/N/S	INHAL	R2 M3	TR-451	PB97-116701	SE	SE	NE	NE
Nickel sulfate hexahydrate	10101-97-0	ADHS/N/S	INHAL	R2 M3	TR-454	PB97-120216	NE	NE	NE	NE
Nickel subsulfide	12035-72-2	ENVH/N/S	INHAL	R2 M3	C61654		CE	CE	NE	NE
Nithiazide	139-94-6	PHAR/SYN	FEED	R2 M3	TR-146	PB295897	N	P	P	P
Nitriilotriacetic acid (NTA)	139-13-9	TEXTL/SYN	FEED	R2 M3	TR-006	PB266177	P	P	P	P
Nitriilotriacetic acid trisodium monohydrate	18662-53-8	DTRG	FEED	R2	TR-006	PB266177	P	P		
Nitriilotriacetic acid trisodium monohydrate	18662-53-8	DTRG	FEED	R2 M3	TR-006	PB266177	E	E	N	N
5-Nitroacenaphthene	602-87-9	DYE	FEED	R2 M3	TR-118	PB287347	P	P	N	N
3-Nitro-p-acetophenetide	1777-84-0	PHAR	FEED	R2 M3	TR-133	PB299857	N	N	P	P
p-Nitroaniline	100-01-6	DYE/SYN	GAV	M3	TR-418	PB94-104528			EE	EE
5-Nitro-o-anisidine	99-59-2	INTR	FEED	R2 M3	TR-127	PB287411	P	P	E	E
o-Nitroanisole	91-23-6	DYE/SYN	FEED	R2 M3	TR-416	PB94-109758	CE	CE	CE	CE
4-Nitroanthranilic acid	619-17-0	INTR	FEED	R2 M3	TR-109	PB286942	N	N	N	N
6-Nitrobenzimidazole	94-52-0	INTR	FEED	R2 M3	TR-117	PB293834	N	N	P	P
p-Nitrobenzoic acid	62-23-7	DYE	FEED	R2 M3	TR-442	PB95-226254	NE	SE	NE	NE
Nitrofen	1836-75-5	HERB/SYN	FEED	R2 M3	TR-184	PB296038	N	N	P	P
Nitrofen	1836-75-5	HERB/SYN	FEED	R1 M3	TR-026	PB277440	IS	P	P	P
Nitrofurantoin	67-20-9	PHAR/SYN	FEED	R2 M3	TR-341	PB90-197930	SE	NE	NE	NE
Nitrofurazone	59-87-0	PHAR/SYN	FEED	R2 M3	TR-337	PB89-102388	EE	CE	NE	NE
Nitromethane	75-52-5	FUEL/SYN	INHAL	R2 M3	TR-461	PB97-205967	NE	CE	CE	CE
1-Nitronaphthalene	86-57-7	DYE/SYN	FEED	R2 M3	TR-064	PB282310	N	N	N	N
p-Nitrophenol	100-02-7	PEST/SYN	SP	M6	TR-417	PB94-109667			NE	NE
2-Nitro-p-phenylenediamine	5307-14-2	DYE	FEED	R2 M3	TR-169	PB290304	N	N	N	N
4-Nitro-o-phenylenediamine	99-56-9	REAG/SYN	FEED	R2 M3	TR-180	PB290306	N	N	N	N
3-Nitropropionic acid	504-88-1	FOOD/NATL	GAV	R2 M3	TR-052	PB281102	E	N	N	N
N-Nitrosodiphenylamine	86-30-6	FLAM	FEED	R2 M3	TR-164	PB298275	P	P	N	N
p-Nitrosodiphenylamine	156-10-5	RUBR/SYN	FEED	R2 M3	TR-190	PB291500	P	N	P	P
beta-Nitrostyrene	102-96-5	FUNG	GAV	R2 M3	TR-170	PB300949	N	N	N	N
o-Nitrotoluene	88-72-2	RUBR/SYN	FEED	R2 M3	TR-504	PB2002-108715	CE	CE	CE	CE
p-Nitrotoluene	99-99-0	DYE/SYN	FEED	R2 M3	TR-498	PB2002-108714	EE	SE	EE	EE
5-Nitro-o-toluidine	99-55-8	DYE	FEED	R2 M3	TR-107	PB285872	N	N	P	P
Ochratoxin A	303-47-9	COMT/NATL	GAV	R2	TR-358	PB90-219478	CE	CE		
Oleic acid diethanolamine condensate	93-83-4	COSM/SYN	SP	R2 M3	TR-481	PB99-167561	NE	NE	NE	NE
Oxazepam	604-75-1	PHAR/SYN	FEED	M6 M3	TR-443	PB94-184181			CE	CE
Oxazepam	604-75-1	PHAR/SYN	FEED	R2	TR-468	PB99-120875	EE	NE		
4,4'-Oxydianiline	101-80-4	ADHS/SYN	FEED	R2 M3	TR-205	PB80-217938	P	P	P	P
Oxymetholone	434-07-1	PHAR/SYN	GAV	R2 M3	TR-485	PB2000-101419	EE	CE		
Oxytetracycline hydrochloride	2058-46-0	FEED/SYN	FEED	R2 M3	TR-315	PB87-204103	EE	EE	NE	NE
Ozone	10028-15-6	WATR/NATL	INHAL	R2 M3	TR-440	PB95-226999	NE	NE	EE	EE
Ozone	10028-15-6	WATR/NATL	INHAL	R2 M3	TR-440	PB95-226999	NE	NE	EE	EE
Ozone/NNK	OZONNNKCOMB	NATL/NATL	INHAL	R2	TR-440	PB95-226999				
Parathion	56-38-2	PEST/SYN	FEED	R1 M3	TR-070	PB288803	E	E	N	N
Penicillin VK	132-98-9	PHAR/N/S	GAV	R2 M3	TR-336	PB89-128615	NE	NE	NE	NE
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	FLAM/SYN	GAV	R2 RE M3	TR-589	PB2016103214	CE	CE	CE	CE
Pentachloroanisole	1825-21-4	PEST	GAV	R2 M3	TR-414	PB94-104536	SE	EE	SE	SE
Pentachloroethane	76-01-7	SOLV/SYN	GAV	R2 M3	TR-232	PB83-206748	E	N	P	P
Pentachloronitrobenzene	82-68-8	PEST/SYN	FEED	R1 M3	TR-061	PB281732	N	N	N	N
Pentachloronitrobenzene	82-68-8	PEST/SYN	FEED	M3	TR-325	PB87-208633			NE	NE
Pentachlorophenol, Dowicide EC-7	87-86-5	WOOD/SYN	FEED	M3	TR-349	PB89-216536			CE	CE
Pentachlorophenol, purified	87-86-5	PEST/SYN	FEED	R2	TR-483	PB99-152878	SE	NE		
Pentachlorophenol, technical	87-86-5	WOOD/SYN	FEED	M3	TR-349	PB89-216536			CE	CE
Pentaerythritol tetranitrate	78-11-5	PHAR/SYN	FEED	R2 M3	TR-365	PB90-219452	EE	EE	NE	NE
Phenazopyridine hydrochloride	136-40-3	PHAR/SYN	FEED	R2 M3	TR-099	PB286207	P	P	N	N
Phenesterin	3546-10-9	CMOT/SYN	GAV	R8 M3	TR-060	PB283361	N	P	P	P
Phenformin hydrochloride	834-28-6	PHAR/SYN	FEED	R2 M3	TR-007	PB266176	N	N	N	N
Phenol	108-95-2	GERM/N/S	WATER	R2 M3	TR-203	PB80-217946	N	N	N	N
Phenolphthalein	77-09-8	PHAR/SYN	FEED	R2 M3	TR-465	PB97-169882	CE	SE	CE	CE
Phenoxybenzamine hydrochloride	63-92-3	PHAR/SYN	IP/IJ	R8 M3	TR-072	PB285095	P	P	P	P
Phenylbutazone	50-33-9	PHAR/SYN	GAV	R2 M3	TR-367	PB90-258765	EE	SE	SE	SE
p-Phenylenediamine dihydrochloride	624-18-0	DYE	FEED	R2 M3	TR-174	PB290124	N	N	N	N
Phenylephrine hydrochloride	61-76-7	PHAR/SYN	FEED	R2 M3	TR-322	PB87-208609	NE	NE	NE	NE
1-Phenyl-3-methyl-5-pyrazolone	89-25-8	DYE	FEED	R2 M3	TR-141	PB287122	N	N	N	N
N-Phenyl-2-naphthylamine	135-88-6	RUBR/SYN	FEED	R2 M3	TR-333	PB88-216270	NE	NE	NE	NE
o-Phenylphenol	90-43-7	FUNG/N/S	SP	M4	TR-301	PB86-217239			NE	NE
N-Phenyl-p-phenylenediamine	101-54-2	COSM	FEED	R2 M3	TR-082	PB285856	N	N	N	N
1-Phenyl-2-thiourea	103-85-5	REAG/SYN	FEED	R2 M3	TR-148	PB287357	N	N	N	N
Phosphamidon	13171-21-6	PEST/SYN	FEED	R1 M3	TR-016	PB288800	E	E	N	N
Photodieldrin	13366-73-9	PEST	FEED	R1 M3	TR-017	PB274393	N	N	N	N
Phthalamide	88-96-0	PNT/SYN	FEED	R2 M3	TR-161	PB293831	N	N	N	N
Phthalic anhydride	85-44-9	INTR/SYN	FEED	R2 M3	TR-159	PB293594	N	N	N	N

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See Page 4 for explanation of Carcino Code

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CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
Picloram	1918-02-1	HERB/SYN	FEED	R1 M3	TR-023	PB276471	N	E	N	N
beta-Picoline	108-99-6	SYN	WATER	R2 M22	TR-580	PB2015-102752	NE	SE	EE	EE
Piperonyl butoxide	51-03-6	PEST/N/S	FEED	R2 M3	TR-120	PB288753	N	N	N	N
Piperonyl sulfoxide	120-62-7	N/S/N/S	FEED	R2 M3	TR-124	PB288778	N	N	P	P
Pivalolactone	1955-45-9	INTR/SYN	GAV	R2 M3	TR-140	PB287645	P	P	N	N
Polybrominated biphenyl mixture (Firemaster FF-1)	67774-32-7	FLAM	GAV	R2 M3	TR-244	PB83-240473	P	P	P	P
Polybrominated biphenyl mixture (Firemaster FF-1)	67774-32-7	FLAM	FEED	R2 M3	TR-398	PB94-184066	CE	CE	CE	CE
Polysorbate 80 (glycol)	9005-65-6	COSM/SYN	FEED	R2 M3	TR-415	PB92-189331/AS	EE	NE	NE	NE
Polyvinyl alcohol	9002-89-5	PHAR/SYN	IVAG	M3	TR-474	PB98-148869				
Primidone (primaclone)	125-33-7	PHAR/SYN	FEED	R2 M3	TR-476	PB2001-102004	EE	NE	CE	CE
Probenecid	57-66-9	PHAR/SYN	GAV	R2 M3	TR-395	PB92-129584/AS	NE	NE	NE	NE
Procarbazine hydrochloride	366-70-1	CMOT/SYN	IP/IJ	R8 M3	TR-019	PB299902	P	P	P	P
Proflavin hydrochloride	952-23-8	PHAR/SYN	FEED	R2 M3	TR-005	PB268553	E	N	E	E
Promethazine hydrochloride	58-33-3	PHAR/SYN	GAV	R2 M3	TR-425	PB94-210192	NE	NE	NE	NE
Propargyl alcohol	107-19-7	HERB/SYN	INHAL	R2 M22	TR-552	PB2009-102214	SE	NE	SE	SE
Propylene	115-07-1	INTR/NATL	INHAL	R2 M3	TR-272	PB86-145521	NE	NE	NE	NE
Propylene glycol mono-t-butyl ether	57018-52-7	SOLV/SYN	INHAL	R2 RB M3	TR-515	PB2004-104949	EE	NE	CE	CE
1,2-Propylene oxide	75-56-9	FUME/SYN	INHAL	R2 M3	TR-267	PB85-179653	SE	SE	CE	CE
Propyl gallate	121-79-9	COSM/SYN	FEED	R2 M3	TR-240	PB83-180042	E	N	E	E
Pulegone	89-82-7	DIET/N/S	GAV	R2 M22	TR-563	PB2011-114186	NE	SE	CE	CE
Pyrazinamide	98-96-4	PHAR/SYN	FEED	R2 M3	TR-048	PB280251	N	N	N	N
Pyridine	110-86-1	SOLV/SYN	WATER	R9 R2 M3	TR-470	PB2000-106687	SE	EE	CE	CE
Pyridine	110-86-1	SOLV/SYN	WATER	R9	TR-470	PB2000-106687	EE			
Pyrilamine	91-84-9	PHAR/SYN	FEED	R2 M3	NR-408/409					
Pyrimethamine	58-14-0	PHAR/SYN	FEED	R2 M3	TR-077	PB282608	N	N	IS	IS
Pyrogallol	87-66-1	N/S	SP	R2 M22	TR-574	PB2013-105507	NE	NE	EE	EE
Quercetin	117-39-5	PHAR/NATL	FEED	R2	TR-409	PB93-147478	SE	NE		
Reserpine	50-55-5	PHAR/NATL	FEED	R2 M3	TR-193	PB83-165761	P	N	P	P
Resorcinol	108-46-3	PHAR/SYN	GAV	R2 M3	TR-403	PB93-126381	NE	NE	NE	NE
All-trans-retinyl palmitate	79-81-2	COSM/SYN	SP	MT	TR-568	PB2013-100226				
Rhodamine 6G	989-38-8	DYE/N/S	FEED	R2 M3	TR-364	PB90-219460	EE	EE	NE	NE
Riddelliine	23246-96-0	PHAR/NATL	GAV	R2 M3	TR-508	PB2003-106432	CE	CE	CE	CE
Rotenone	83-79-4	PEST/NATL	FEED	R2 M3	TR-320	PB89-139760	EE	NE	NE	NE
Roxarsone	121-19-7	REAG/SYN	FEED	R2 M3	TR-345	PB89-216543	EE	NE	NE	NE
Safflower oil	8001-23-8	DIET/NATL	GAV	R2	TR-426	PB95-103958				
Salicylazosulfapyridine	599-79-1	PHAR/SYN	GAV	R2 M3	TR-457	PB97-212708	SE	SE	CE	CE
Scopolamine hydrobromide trihydrate	6533-68-2	PHAR/SYN	GAV	R2 M3	TR-445	PB97-208946	NE	NE	NE	NE
Selenium sulfide	7446-34-6	COSM/NATL	GAV	R2 M3	TR-194	PB82-164955	P	P	N	N
Selenium sulfide	7446-34-6	COSM/NATL	SP	M4	TR-197	PB82-165291				
Selsun	EMTDP-74	COSM/N/S	SP	M4	TR-199	PB82-164542				
Sodium azide	26628-22-8	FUME/SYN	GAV	R2	TR-389	PB92-135615	NE	NE		
Sodium dichromate dihydrate (VI)	7789-12-0	ENVH/SYN	WATER	R2 M22	TOX-72	PB2007-107225	CE	CE	CE	CE
Sodium diethyldithiocarbamate	148-18-5	INTR/SYN	FEED	R2 M3	TR-172	PB293833	N	N	N	N
Sodium Fluoride	7681-49-4	ADHS/N/S	WATER	R2 M3	TR-393	PB91-178137	EE	NE	NE	NE
Sodium nitrite	7632-00-0	INTR/SYN	WATER	R2 M3	TR-495	PB2001-107676	NE	NE	NE	NE
Sodium xylenesulfonate	1300-72-7	DTRG/SYN	SP	R2 M3	TR-464	PB98-168719	NE	NE	NE	NE
Stannous chloride	7772-99-8	DYE/SYN	FEED	R2 M3	TR-231	PB82-242553	E	N	N	N
Stoddard solvent (type LIC)	64742-88-7	ADHS/SYN	INHAL	R2 M3	TR-519	PB2005-103487	SE	NE	NE	NE
Styrene	100-42-5	RUBR/SYN	GAV	R2 M3	TR-185	PB300977	N	N	E	E
Styrene-acrylonitrile trimer	SANTRIMER2	PLAS	FEED	R2	TR-573	PB2012112739	NE	NE		
Succinic anhydride	108-30-5	FOOD/SYN	GAV	R2 M3	TR-373	PB90-231135	NE	NE	NE	NE
Sulfallate	95-06-7	HERB/SYN	FEED	R1 M3	TR-115	PB286386	P	P	P	P
Sulfamethazine	57-68-1	PHAR/SYN	FEED	R2	NR-420					
Sulfamethazine	57-68-1	PHAR/SYN	FEED	M3	NR-418					
Sulfisoxazole	127-69-5	PHAR/SYN	GAV	R2 M3	TR-138	PB288779	N	N	N	N
3-Sulfolene	77-79-2	SOLV/SYN	GAV	R1 M3	TR-102	PB284656	N	N	N	N
4,4'-Sulfonyldianiline (Dapsone)	80-08-0	PHAR/SYN	FEED	R2 M3	TR-020	PB274394	P	N	N	N
Talc	14807-96-6	COSM/NATL	INHAL	R2 M3	TR-421	PB94-215985	SE	CE	NE	NE
Tara gum	39300-88-4	FOOD/NATL	FEED	R2 M3	TR-224	PB82-195546	N	N	N	N
Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153)	TEFBNARYMIX	ELEC/SYN	GAV	HSD	TR-530	PB2008109743		CE		
Toxic equivalency factor evaluation (PCDF (Pentachlorodibenzofuran))	57117-31-4	ELEC/N/S	GAV	HSD	TR-525	PB2007-103746		SE		
Toxic equivalency factor evaluation (PCB 118)	31508-00-6	COMT/SYN	GAV	HSD	TR-559	PB2011-103866		CE		
Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118)	TEFPCBMIX	ELEC/SYN	GAV	HSD	TR-531	PB2007-103748		CE		
Toxic equivalency factor evaluation (TCDD)	1746-01-6	LABC/SYN	GAV	HSD	TR-521	PB 2006-112291		CE		

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See Page 4 for explanation of Carcnogen Codes

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## Printed Long-Term and Short-Term Study Reports

## Long-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
Tetrabromobisphenol A	79-94-7	FLAM	GAV	RE RD M22	TR-587	PB2015-102753	EE	CE	SE	SE
3,3',4,4'-Tetrachloroazobenzene	14047-09-7	PEST/SYN	GAV	M22 HSD	TR-558	PB2011-104500	CE	CE	CE	CE
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	PEST/SYN	GAV	R1 M3	TR-209	PB82-163445	P	P	P	P
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	PEST/SYN	SP	M6	TR-201	PB82-163684			E	E
Tetrachlorodiphenylethane	72-54-8	PEST/SYN	FEED	R1 M3	TR-131	PB286367	E	N	N	N
1,1,1,2-Tetrachloroethane	630-20-6	INTR	GAV	R2 M3	TR-237	PB83-218206	E	N	P	P
1,1,2,2-Tetrachloroethane	79-34-5	SOLV/SYN	GAV	R1 M3	TR-027	PB277453	E	N	P	P
Tetrachloroethylene	127-18-4	FUME/SYN	GAV	R1 M3	TR-013	PB272940	IS	IS	P	P
Tetrachloroethylene	127-18-4	FUME/SYN	INHAL	R2 M3	TR-311	PB87-147054	CE	SE	CE	CE
2,3,5,6-Tetrachloro-4-nitroanisole	2438-88-2	PEST	FEED	R2 M3	TR-114	PB287642	N	N	N	N
Tetrachlorvinphos	961-11-5	PEST	FEED	R1 M3	TR-033	PB278650	N	P	P	P
Tetracycline hydrochloride	64-75-5	PHAR/NATL	FEED	R2 M3	TR-344	PB90-198540	NE	NE	NE	NE
Tetraethylthiuram disulfide	97-77-8	PEST/SYN	FEED	R2 M3	TR-166	PB298514	N	N	N	N
Tetrafluoroethylene	116-14-3	FOOD/SYN	INHAL	R2 M3	TR-450	PB97-208508	CE	CE	CE	CE
1-trans-delta-9-Tetrahydrocannabinol	1972-08-3	PHAR/NATL	GAV	R2 M3	TR-446	PB97-182208	NE	NE	EE	EE
Tetrahydrofuran	109-99-9	FDPK/SYN	INHAL	R2 M3	TR-475	PB98-164544	SE	NE	NE	NE
Tetrakis(hydroxymethyl)phosphonium chloride	124-64-1	FLAM/SYN	GAV	R2 M3	TR-296	PB87-204137	NE	NE	NE	NE
Tetrakis(hydroxymethyl)phosphonium sulfate	55566-30-8	FLAM/SYN	GAV	R2 M3	TR-296	PB87-204137	NE	NE	NE	NE
Tetralin	119-64-2	SOLV/SYN	INHAL	R2 RB M3 M22	TR-561	PB2011-110773	SE	SE	NE	NE
Tetranitromethane	509-14-8	FUEL/SYN	INHAL	R2 M3	TR-386	PB91-113373	CE	CE	CE	CE
Theophylline	58-55-9	PHAR/NATL	GAV	R2 M3	TR-473	PB99-113342	NE	NE	NE	NE
4,4'-Thiobis(6-tert-butyl-m-cresol)	96-69-5	FDPK/SYN	FEED	R2 M3	TR-435	PB95-225751	NE	NE	NE	NE
4,4'-Thiodianiline	139-65-1	DYE/SYN	FEED	R2 M3	TR-047	PB280360	P	P	P	P
beta-Thioguanidine deoxyriboside	789-61-7	CMOT/NATL	IP/IJ	R8 M3	TR-057	PB281540	E	P	IS	IS
alpha/beta Thujone mixture	76231-76-0	COSM/NATL	GAV	R2 M22	TR-570	PB2012-102007	SE	NE	NE	NE
Titanium dioxide	13463-67-7	PHAR/N/S	FEED	R2 M3	TR-097	PB288780	N	N	N	N
Titanocene dichloride	1271-19-8	INTR/SYN	GAV	R2 M3	TR-399	PB92-129576/AS	EE	EE		
Tolazamide	1156-19-0	PHAR/SYN	FEED	R2 M3	TR-051	PB284610	N	N	N	N
Tolbutamide	64-77-7	PHAR/SYN	FEED	R2 M3	TR-031	PB274483	N	N	N	N
Toluene	108-88-3	FUEL/N/S	INHAL	R2 M3	TR-371	PB90-256371	NE	NE	NE	NE
2,6-Toluenediamine dihydrochloride	15481-70-6	INTR/SYN	FEED	R2 M3	TR-200	PB80-217912	N	N	N	N
(2,6-diaminotoluene dihydrochloride)										
2,5-Toluenediamine sulfate	6369-59-1	COSM	FEED	R2 M3	TR-126	PB287127	N	N	N	N
2,4- & 2,6-Toluene diisocyanate	26471-62-5	PLAS	GAV	R2 M3	TR-251	PB87-115176	P	P	N	N
o-Toluidine hydrochloride	636-21-5	DYE	FEED	R2 M3	TR-153	PB290908	P	P	P	P
Toxaphene	8001-35-2	PEST/SYN	FEED	R1 M3	TR-037	PB292290	E	E	P	P
Toxic equivalency factor evaluation (Dioxin TEFDIOXINMIX mixture)		ELEC/SYN	GAV	HSD	TR-526	PB2007-103747		CE		
Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl)	35065-27-1	ELEC/SYN	GAV	HSD	TR-529	PB 2006-113416		EE		
Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl)	57465-28-8	ELEC/SYN	GAV	HSD	TR-520	PB 2006-109013		CE		
Tremolite	14567-73-8	GLAS/NATL	FEED	R2	TR-277	PB90-226572	N	N		
Triamterene	396-01-0	PHAR/SYN	FEED	R2 M3	TR-420	PB94-213782	EE	NE	SE	SE
Tribromomethane	75-25-2	INTR/SYN	GAV	R2 M3	TR-350	PB90-110149	SE	CE	NE	NE
Tricaprylin	538-23-8	FOOD/NATL	GAV	R2	TR-426	PB95-103958				
1,1,1-Trichloroethane	71-55-6	SOLV/SYN	GAV	R1 M3	TR-003	PB265082	IS	IS	IS	IS
1,1,2-Trichloroethane	79-00-5	SOLV/SYN	GAV	R1 M3	TR-074	PB283337	N	N	P	P
Trichloroethylene	79-01-6	ADHS/SYN	GAV	R1 M3	TR-002	PB264122	N	N	P	P
Trichloroethylene	79-01-6	ADHS/SYN	GAV	R3 R4	TR-273	PB88-218896	IS	IS		
Trichloroethylene	79-01-6	ADHS/SYN	GAV	R6 R1	TR-273	PB88-218896	IS	IS		
Trichloroethylene	79-01-6	ADHS/SYN	GAV	R2 M3	TR-243	PB91-111815	IS	N	P	P
Trichlorofluoromethane	75-69-4	SOLV/SYN	GAV	R1 M3	TR-106	PB286187	IS	IS	N	N
2,4,6-Trichlorophenol	88-06-2	HERB/SYN	FEED	R2 M3	TR-155	PB293770	P	N	P	P
1,2,3-Trichloropropane	96-18-4	PNT/SYN	GAV	R2 M3	TR-384	PB94-207784	CE	CE	CE	CE
Tricresyl Phosphate	1330-78-5	FLAM/SYN	FEED	R2 M3	TR-433	PB95-227377	NE	NE	NE	NE
Triethanolamine	102-71-6	COSM/SYN	SP	R2 M3 M7	TR-449	PB2000-102846	EE	NE	IS	IS
Triethanolamine	102-71-6	COSM/SYN	SP	M22	TR-518	PB2004-106613		EE	EE	
Trifluralin	1582-09-8	HERB/SYN	FEED	R1 M3	TR-034	PB278610	N	N	N	N
2,4,5-Trimethylaniline	137-17-7	DYE	FEED	R2 M3	TR-160	PB293802	P	P	E	E
Trimethylolpropane triacrylate	15625-89-5	ADHS	SP	R2 M3	TR-576	PB2013-103565	EE	NE	NE	NE
Trimethylphosphate	512-56-1	FUEL	GAV	R2 M3	TR-081	PB285851	P	N	N	N
Trimethylthiourea	2489-77-2	ADHS	FEED	R2 M3	TR-129	PB288802	N	P	N	N
Triphenyltin hydroxide	76-87-9	PEST/SYN	FEED	R2 M3	TR-139	PB287399	N	N	N	N
Tripolidine	486-12-4	PHAR/SYN	FEED	R2 M3	NR-414/415					
tris(Aziridinyl)-phosphine sulfide (Thio-TEPA)	52-24-4	CMOT/SYN	IP/IJ	R8 M3	TR-058	PB285702	P	P	P	P
Tris(2-Chloroethyl) Phosphate	115-96-8	FLAM/SYN	GAV	R2 M3	TR-391	PB92-105147	CE	CE	EE	EE
tris(2,3-Dibromopropyl) phosphate	126-72-7	FLAM/SYN	FEED	R2 M3	TR-076	PB280271	P	P	P	P

++ MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
See Page 4 for explanation of Carcino Code



Ref No. 16

Printed Long-Term and Short-Term Study Reports

Long-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
tris(2-Ethylhexyl)phosphate	78-42-2	FLAM	GAV	R2 M3	TR-274	PB85-171502	EE	NE	NE	NE
Trisodium ethylenediaminetetraacetate trihydrate (EDTA)	150-38-9	FOOD/SYN	FEED	R2 M3	TR-011	PB270938	N	N	N	N
L-Tryptophan	73-22-3	DIET/NATL	FEED	R2 M3	TR-071	PB285792	N	N	N	N
Turmeric, oleoresin (curcumin)	8024-37-1	FOOD/NATL	FEED	R2 M3	TR-427	PB94-184173	NE	EE	EE	EE
Urethane	51-79-6	PNT/SYN	WATER	MV	TR-510	PB2005-103486			CE	CE
Urethane + ethanol (combination)	URETHCOMB	PNT/N/S	WATER	MV	TR-510	PB2005-103486			CE	CE
Vanadium pentoxide	1314-62-1	INTR/NATL	INHAL	R2 M3	TR-507	PB2003102385	SE	EE	CE	CE
4-Vinylcyclohexene	100-40-3	INTR	GAV	R2 M3	TR-303	PB87-116182	IS	IS	IS	IS
4-Vinyl-1-cyclohexene diepoxide	106-87-6	INTR	SP	R2 M3	TR-362	PB90-219957	CE	CE	CE	CE
Vinylidene Chloride	75-35-4	INTR/SYN	INHAL	R2 M22	TR-582		CE	SE	CE	CE
Vinylidene Chloride	75-35-4	INTR/SYN	GAV	R2 M3	TR-228	PB82-258393	N	N	N	N
Vinyl toluene	25013-15-4	SOLV/SYN	INHAL	R2 M3	TR-375	PB90-260035	NE	NE	NE	NE
Water disinfection byproducts (Bromochloroacetic acid)	5589-96-8	WATR/SYN	WATER	R2 M22	TR-549	PB2010-100853	CE	CE	CE	CE
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	ENVH/NATL	WATER	RD M22	TR-583		CE	CE	CE	CE
Water disinfection byproducts (Bromodichloromethane)	75-27-4	FLAM/SYN	WATER	R2 M22	TR-532	PB 2006-111415	NE			
Water disinfection byproducts (Dibromoacetic acid)	631-64-1	WATR/SYN	WATER	R2 M3	TR-537	PB2008-109733	SE	SE	CE	CE
Water disinfection byproducts (Dibromoacetonitrile)	3252-43-5	INTR	WATER	R2 M22	TR-544	PB2010-114243	CE	SE	CE	CE
Water disinfection byproducts (Sodium chlorate)	7775-09-9	WATR/SYN	WATER	R2 M3	TR-517	PB 2006-107479	SE	SE	NE	NE
Xylenes (mixed)	1330-20-7	FUEL/SYN	GAV	R2 M3	TR-327	PB87-189684	NE	NE	NE	NE
2,6-Xylidine	87-62-7	DYE/SYN	FEED	RA	TR-278	PB90-256363	P	P		
Zearalenone	17924-92-4	PHAR/NATL	FEED	R2 M3	TR-235	PB83-165753	N	N	P	P
Ziram	137-30-4	RUBR/SYN	FEED	R2 M3	TR-238	PB83-202622	P	N	N	N

\*\* MR = Male Rat, FR = Female Rat, MM = Male Mice, FM = Female Mice.  
 See Page 4 for explanation of Carcnogen Codes

Ref No. 17

Long-Term Exposure Studies for Which Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	COMMENTS	FOOTNOTE REFERENCE
Agaritine	2757-90-6	CMOT/NATL	WATER	M4	RESULTS REPORTED IN JOURNAL ARTICLE	E
3-Amino-9-ethylcarbazole	132-32-1	DYE	FEED	R2 M3		
Amsacrine	51264-14-3	CMOT/SYN	IP/IJ	R2 M3		
L-Arginine Glutamate	4320-30-3	NATL	FEED	R2 M1		
Azathioprine	446-86-6	PHAR/SYN	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Benzyl chloride	100-44-7	INTR/SYN	GAV	R2 M3	RESULTS REPORTED IN JOURNAL ARTICLE	H
1,3-bis(Chloroethyl)-1-nitrosourea	154-93-8	CMOT	IP/IJ	R8 M4		A
bis(Chloromethyl) ether	542-88-1	INTR	INHAL	R8 H1		
1,3-Butadiene	106-99-0	INTR/N/S	INHAL	M3		Q
Calcium chromate	13765-19-0	INTR/SYN	INHAL	R8 H1		
Carbon tetrachloride	56-23-5	INTR/SYN	GAV	R1 M3		
Chlorambucil	305-03-3	CMOT/SYN	IP/IJ	R8 M4		A
Chloromethyl methyl ether	107-30-2	INTR/SYN	INHAL	R8 H1		
Chromium	7440-47-3	INTR/NATL	INHAL	R8 H1		
Cyclohexanone	108-94-1	SOLV/SYN	WATER	R2 M3		J
Cyclophosphamide	50-18-0	CMOT/SYN	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Cytarabine	147-94-4	PHAR/SYN	IP/IJ	R8 M4		A
Cytoxal alcohol	4465-94-5	CMOT	IP/IJ	R8 M4		A
Dacarbazine	4342-03-4	CMOT/SYN	IP/IJ	R8 M4		A
Daunomycin	20830-81-3	CMOT/NATL	IP/IJ	R8 M4		A
o,p'-DDD	53-19-0	PEST/SYN	IP/IJ	R8 M4		A
Dibromodulcitol	10318-26-0	CMOT/SYN	IP/IJ	R8 M4		A
Dibromomannitol	488-41-5	CMOT/SYN	IP/IJ	R8 M4		A
Dichloromethotrexate	528-74-5	CMOT	IP/IJ	R8 M4		A
Dimethylcarbamoyl chloride	79-44-7	INTR	INHAL	R8 H1		
Dimethyl hydrazine (DMH)	57-14-7	FUEL/SYN	INHAL	M1		
1,2-Dimethylhydrazine 2HCl	306-37-6	FUEL	FEED	R2		
Epichlorhydrin	106-89-8	INTR/SYN	INHAL	R8		

Ref No. 17

## Long-Term Exposure Studies for Which Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	COMMENTS	FOOTNOTE REFERENCE
Furan	110-00-9 DTRG/N/S	GAV	RC	9/12/16 is the actual date that the final NCTR report was sent to Nigel. There may still be a publication at a later date, but I don't have a date for it as of yet. Please let me know if you need anything else. Amy Changed status to complete-sl 10/20/16	
Guanazole	1455-77-2 CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Hexanamide	628-02-4 INTR	FEED	R2 M1		
Hydroxyurea	127-07-1 CMOT/SYN	IP/IJ	R8 M4		A
Lomustine	13010-47-4 CMOT/SYN	IP/IJ	R8 M4		A
Melphalan	148-82-3 CMOT/SYN	IP/IJ	R8 M4		A
6-Mercaptopurine	50-44-2 CMOT/SYN	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Merphalan	531-76-0 CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Methapyrilene hydrochloride	135-23-9 PHAR/SYN	FEED	R2 M3	RESULTS REPORTED IN JOURNAL ARTICLE	F
Methotrexate	59-05-2 CMOT/SYN	IP/IJ	R8 M4		A
Methyl CCNU	13909-09-6 CMOT	IP/IJ	R8 M4		A
Methyl isocyanate	624-83-9 INTR/SYN	INHAL	NA		R
6-Methylmercaptopyrimidine ribonucleoside	342-69-8 CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
2-Methyl-1-nitroanthraquinone	129-15-7 INTR/SYN	FEED	M3		D
Mitomycin C	50-07-7 CMOT/N/S	IP/IJ	R8 M4		A
Mouse ageing study	MOUSEAGE		M3	RESULTS REPORTED IN JOURNAL ARTICLE	O
Nitrofurazone	59-87-0 PHAR/SYN	FEED	M3		
NTP 90 diet study	DIET90	FEED/SYN	FEED	M3 NA	N
NTP 91/92 diet study	DIET9192	FEED/SYN	FEED	R2	N
Polyurethane	9009-54-5 RUBR	INHAL	R8 H1		
Prednisone	53-03-2 CMOT/N/S	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Procarbazine hydrochloride	366-70-1 CMOT/SYN	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Rotenone	83-79-4 PEST/NATL	IP/IJ	R2	RESULTS REPORTED IN NCTR REPORT	M
Sodium Fluoride	7681-49-4 ADHS/N/S	WATER	R2	Supplemental study	P
Streptozotocin	18883-66-4 CMOT/NATL	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Styrene oxide	96-09-3 INTR	GAV	R2 M3		K
p-Tolylurea	622-51-5 LABC	FEED	R2 M1		
Uracil mustard	66-75-1 CMOT/SYN	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Vinblastine	865-21-4 CMOT/NATL	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE	A
Vincristine	57-22-7 CMOT/NATL	IP/IJ	R8 M4		A
Wollastonite calcium silicates	13983-17-0 PNT/NATL	INHAL	R2	RESULTS REPORTED IN JOURNAL ARTICLE	I

With the exception of those documents available only through the National Technical Information Service\* the following papers are available upon request from the Central Data Management (CDM) (TELEPHONE: 919-541-3419; FAX: (301) 480-3210; Mail Drop K2-05, NIEHS, P. O. BOX 12233, Research Triangle Park, NC USA 27709; EMAIL: CDM@NIEHS.NIH.GOV) .

A EK Weisburger, Bioassay Program for Carcinogenic Hazards of Cancer Chemotherapeutic Agents. Cancer 40:1935-1949 (1977)

D ASK Murthy, JR Baker, ER Smith, GG Wade, Development of Hemangiosarcomas in B6C3F1 Mice Fed 2-Methyl-1-Nitroanthraquinone. Int. J. Cancer 19:117-121 (1977)

E B Toth, CR Raha, L Wallcave, D Nagel, Attempted Tumor Induction with Agaritine in Mice. Anticancer Res 1:255-258 (1981)

F W Lijinsky, MD Reuber, BN Blackwell, Liver Tumors Induced in Rats by Oral Administration of the Antihistaminic Methapyrilene Hydrochloride. Science 209:817-819 (1980)

H W Lijinsky, Chronic Bioassay of Benzyl Chloride in F344 Rats and (C57BL/6JXBALB/C)F1 Mice. J Natl Cancer Inst. 1986 Jun;76(6):1231-6.

I McConnell EE, Hall L, Adkins B Jr., Studies on the Chronic Toxicity (Inhalation) of Wollastonite in Fischer 344 Rats. Inhalation Toxicology 3:323-337 (1991).

J Lijinsky W, RM Kovatch, Chronic Toxicity Study of Cyclohexanone in Rats and Mice. J Natl Cancer Inst. 1986 Oct;77(4):941-9.

K W Lijinsky. Rat and Mouse Forestomach Tumors Induced by Chronic Oral Administration of Styrene Oxide. J Natl Cancer Inst. 1986 Aug;77(2):471-6.

M Tumorigenic Potential of Rotenone and its Specificity for Mammary Tissue, published by National Center for Toxicological Research (NCTR Experiment No. 216). Call NCTR (501-543-7115) for availability of document.

N GN Rao, J Edmondson and MR Elwell. Influence of dietary fat and fiber on growth and tumor incidences in Fischer 344 rats (presented in an abstract at the 33rd annual meeting of the Society of Toxicology in March 1994). Toxicologist 14(1):303, 1994.

O GN Rao. Growth, Body Weight Patterns, and life Span of the B6C3F1 Mouse. Pathology of the Mouse (R. Maronpot, Ed.) Cache River Press, Vienna, IL. (1999)

P Supplemental 2-Year Sodium Fluoride Male Rat Study (available on NTP website <http://ntp.niehs.nih.gov/go/16389>)

Q Bucher JR, Melnick RL, and Hildebrandt PK. Lack of Carcinogenicity in Mice Exposed Once to High Concentrations of 1,3-Butadiene. J. Nat. Cancer Inst 85: 1866-1867 (1993).

R Bucher JR, Uraih LC, Hildebrandt PK, Sauer RM and Seely JC. Carcinogenicity and Pulmonary Pathology Associated with a Single 2-Hour Inhalation Exposure of Laboratory Rodents to Methyl Isocyanate. J. Nat. Cancer Inst 81:1586-1587 (1989).

\* National Technical Information Service, Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, Phone: 1-800-553-6847 or (703)487-4650.

#### Appendix

##### Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Abrasive blasting agents (coal slag)	COALSLAG	IND/NATL	INHAL	RD
Abrasive blasting agents (crushed glass)	CRUSHEDGLASS	IND/NATL	INHAL	RD
Abrasive blasting agents (garnet)	GARNET	IND/NATL	INHAL	RD
Acetaminophen (4-hydroxyacetanilide)	103-90-2	DYE/SYN	GAV	R2
Acetochlor	34256-82-1	HERB/SYN	GAV	HSD
Acetonitrile	75-05-8	SOLV/SYN	INHAL	R2 M3
Acrylamide	79-06-1	COMT/SYN	FEED	RC MV
Adeno-associated viral vector (hEPO)	AAVIRVECEPO	N/S	ID/CN	MW
Adenoviral vector (hGH)	ADNVIRVECHGH	N/S	ID/CN	R2
Adenoviral Vector (AdhAQP1)	ADNVIRVECAQP		ID/CN	R2
Allyl bromide	106-95-6	COSM/SYN	SP	MI
Ametryn	834-12-8	HERB	GAV	HSD
9-Aminoacridine hydrochloride	134-50-9	PHAR/SYN	SP	R2 M3
9-Aminoacridine hydrochloride	134-50-9	PHAR/SYN	FEED	R2 M3
2-(4-Aminophenyl)-6-methyl-7-benzothiazole sulfonic acid	130-17-6	INTR	FEED	R2 M3
3-Aminopyridine	462-08-8	DYE/SYN	GAV	RD M3
2-Aminopyridine	504-29-0	INTR/SYN	GAV	RD M3
4-Aminopyridine	504-24-5	INTR/SYN	GAV	RD M3
Comparison study of Aminopyridines/Troponin levels	AMINOPYRCOMP	DYE/N/A	GAV	RD M3
Androstenedione	63-05-8	DIET/SYN	GAV	R2 M3
Androstenedione	63-05-8	DIET/SYN	SP	R2 M3
Arsenic antioxidant mixture	ANTIOXCOMBO2		WATER	ME
Arsenic antioxidant mixture	ANTIOXCOMBO2		WATER	MN
Antioxidant model (TRAMP) - N-acetylcysteine	616-91-1	PHAR/SYN	GAV	MU M1
Antioxidant model (TRAMP) - Epigallocatechin gallate	989-51-5	PHAR/SYN	GAV	MU M1
Antioxidant model (TRAMP) - NAO (spinach extract)	NAOSPINEXTR	PHAR/NATL	GAV	MU M1
Arsine	7784-42-1	ELEC/SYN	INHAL	H1 NA
3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine	AZTDCCOMB	CMOT/SYN	GAV	M3
3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative)	AZTDDICOMB	PHAR/SYN	GAV	M3
Azodicarbonamide	123-77-3	RUBR/SYN	INHAL	R2 M3
AZT + Methadone HCl (AIDS)	AZTMETHCOMB	PHAR/SYN	GAV	M3
AZT + Nitazoxanide (AIDS Initiative)	AZT+NITAZOX	PHAR/SYN	GAV	M3
AZT + TMP/SMX (mixture) combination	AZTTMPSMX	PHAR	GAV	M3
AZT + TMP/SMX (mixture) combination	AZTTMPSMX	PHAR	GAV	M3
Benzidine dihydrochloride	531-85-1	DYE	WATER	R2
Benzonitrile	100-47-0	INTR/N/S	GAV	R2 M3
Benzyl acetate + glycine combination study	GLYCINEBENZA		FEED	R2
Benzyltrimethyl ammonium chloride	56-93-9	DYE	SP	R2 M3
2,2-bis(Bromomethyl)-1,3-propanediol	3296-90-0	FLAM/SYN	GAV	R2 M3
Bisphenol A	80-05-7	INTR/SYN	GAV	HSD
Black Cohosh	84776-26-1	DIET/NATL	GAV	M3
Black Cohosh	84776-26-1	DIET/NATL	GAV	M3
Black Cohosh	84776-26-1	DIET/NATL	GAV	RE
Bromobenzene	108-86-1	INTR/SYN	INHAL	R2 M3
Bromobenzene	108-86-1	INTR/SYN	GAV	R2 M3
1,3-Butadiene	106-99-0	INTR/N/S	INHAL	R2
n-Butyl Glycidyl Ether	2426-08-6	INTR/SYN	INHAL	RD M3
tert-Butyl hydroperoxide	75-91-2	INTR/SYN	SP	R2 M3

## Appendix

## Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
tert-Butyl hydroperoxide	75-91-2	INTR/SYN	GAV	R2 M3
tert-Butylphenyl Diphenyl Phosphate	56803-37-3		GAV	HSD
Butyraldehyde	123-72-8	FOOD/NATL	GAV	R2 M3
Caffeine	58-08-2	PHAR/NATL	WATER	R2 M3
DL-Camphor	76-22-2	PLAS/N/S	SP	R2 M3
Carbaryl	63-25-2	PEST/SYN	GAV	HSD
Carbon disulfide	75-15-0	SOLV/SYN	INHAL	NA
Carbon disulfide	75-15-0	SOLV/SYN	INHAL	R2
Carbon disulfide	75-15-0	SOLV/SYN	INHAL	M1
Cardio Transmitter Gene Evaluation	CARDIOGENEVL	PHAR	N/A	M2
Carisoprodol	78-44-4	PHAR/SYN	GAV	R2 M3
Chloramphenicol sodium succinate	982-57-0	PHAR/N/S	FEED	R2 M3
3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone(MX)	77439-76-0	COMT	WATER	M3
bis(2-Chloroethoxy)methane	111-91-1	SOLV/SYN	GAV	M3
bis(2-Chloroethoxy)methane	111-91-1	SOLV/SYN	GAV	MZ M15 63
4-Chloro-2-nitroaniline	89-63-4	DYE/SYN	GAV	R2 M3
Chloroprene	126-99-8	PLAS/SYN	INHAL	MD
Chloroprene	126-99-8	PLAS/SYN	INHAL	ME MI ML
1-Chloro-2-propanol, technical	127-00-4	INTR/SYN	INHAL	R2 M3
o-Chloropyridine	109-09-1	COSM/SYN	SP	R2 M3
C.I. Phthalocyanine green	1328-53-6	DYE	FEED	R2 M3
C.I. Direct Blue 6	2602-46-2	COSM	WATER	R2
1,8-Cineol	470-82-6	PHAR/NATL	MICRO	R2 M3
1,8-Cineol	470-82-6	PHAR/NATL	GAV	R2 M3
Cinnamaldehyde	104-55-2	FOOD/N/S	FEED	R2 M3
trans-Cinnamaldehyde	14371-10-9	FOOD/NATL	GAV	R2
Citral	5392-40-5	FOOD/NATL	GAV	R2 M3
Citral	5392-40-5	FOOD/NATL	MICRO	R2 M3
p-Cresidine	120-71-8	DYE	FEED	MA M9 M8
Crotonaldehyde	4170-30-3	INTR/SYN	GAV	R2 M3
Cumene hydroperoxide	80-15-9	INTR/SYN	SP	R2 M3
Cyclanilide	113136-77-9	FERT	GAV	HSD
2-Cyclohexen-1-one	930-68-7	INTR/SYN	INHAL	R2 M3
Cyclohexene oxide	286-20-4	IND/SYN	SP	R2 M3
Cyclohexene oxide	286-20-4	IND/SYN	GAV	R2 M3
Cyclohexene oxide	286-20-4	IND/SYN	GAV	R2 M3
Cyfluthrin	68359-37-5	PEST	GAV	HSD
Cyprodinil	121552-61-2	FUNG	GAV	HSD
2,4-Decadienal	25152-84-5	FOOD/N/S	GAV	R2 M3
1,2-Dibromo-2,4-dicyanobutane	35691-65-7	FUNG/SYN	GAV	R2 M3
1,2-Dibromo-2,4-dicyanobutane	35691-65-7	FUNG/SYN	SP	R2 M3
5,6-Dichloro-2-benzothiazolamine	24072-75-1	INTR	FEED	R2 M3
cis & trans 1,2-Dichloroethylene	540-59-0	SOLV/SYN	MICRO	R2 M3
cis-1,2-Dichloroethylene	156-59-2	SOLV	MICRO	R2 M3
trans-1,2-Dichloroethylene	156-60-5	SOLV	MICRO	R2 M3
trans-1,2-Dichloroethylene	156-60-5	SOLV	GAV	R2 M3
2,3-Dichloropropylene	78-88-6	PEST/SYN	INHAL	R2 M3
2',3'-Dideoxycytidine	7481-89-2	PHAR/SYN	GAV	R2 M3
2',3'-Dideoxycytidine	7481-89-2	PHAR/SYN	GAV	M3
2',3'-Dideoxycytidine	7481-89-2	PHAR/SYN	GAV	MB M3
Diet Evaluation Study	DIETEVAL	FEED/N/A	FEED	MY
Di(2-ethylhexyl) Phthalate	117-81-7	PLAS/SYN	GAV	HSD
Di(2-ethylhexyl) Phthalate	117-81-7	PLAS/SYN	IVOR	RH
1,2-Dihydro-2,2,4-trimethylquinoline (polymer)	26780-96-1	RUBR	SP	R2 M3
Dimethylaminopropyl chloride, hydrochloride	5407-04-5	INTR/SYN	GAV	R2 M3
N,N-Dimethyl-p-toluidine	99-97-8	INTR/SYN	GAV	HSD
Divinylbenzene	1321-74-0	PLAS	INHAL	HSD
Ephedrine + caffeine combination	EPHEDCOMBO	PHAR/NATL	GAV	M3
Ephedrine + caffeine combination	EPHEDCOMBO	PHAR/NATL	GAV	MZ 63 M15
Estragole	140-67-0	FOOD/NATL	GAV	HSD
Ethoxyquin	91-53-2	FOOD/SYN	FEED	R2 M3
2-Ethylhexyl Diphenyl Phosphate	1241-94-7		GAV	HSD
Ethyl vinyl ketone	1629-58-9	INTR/N/S	INHAL	R2 M3
Ferrocene	102-54-5	FUEL/SYN	INHAL	R2 M3
Flusilazole	85509-19-9	FUNG/SYN	GAV	HSD
Flutamide	13311-84-7	CMOT/SYN	GAV	HSD
Formaldehyde	50-00-0	DYE/NATL	INHAL	M3
Formaldehyde	50-00-0	DYE/NATL	INHAL	M1 C3B6 B6129
Gallium oxide	12024-21-4	METL/NATL	INHAL	R2 M3
Glucosamine	3416-24-8	DIET/NATL	GAV	ZO ZL

## Appendix

## Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Glucosamine Hydrochloride + Chondroitin Sulfate	GLUCOSCHONDN	DIET	GAV	ZL ZO
Glyoxal	107-22-2	PAPR/SYN	WATER	R2 M3
Gum Guggul Extract	GUMGUGGULEXT	DIET/NATL	GAV	M3 HSD
Indoxacarb	173584-44-6	FUME	GAV	HSD
Insertional mutagenesis (Radiation Levels)	INSERTMUTRAD	LABC/N/A	WB	MG
Insertional mutagenesis II (SIN vector)	INSERTMUT2	LABC	IV	MG
Insertional mutagenesis (LTR/SIN vectors)	INSERTMUT	LABC	IV	MG
Interferon AD + ddC (AIDS Initiative)	INTDDCCOMB	PHAR/SYN	SC/IJ	M3
Ionic liquid Toxicity	IONICLIQUIDS	SYN	WATER	M3 HSD
Isodecyl Diphenyl Phosphate	29761-21-5	PLAS	GAV	HSD
Isopropylated Phenol Phosphate	68937-41-7	FLAM/SYN	GAV	HSD
Lead(2+) acetate	301-04-2	PHAR/SYN	FEED	R2
Lead contaminated soil	PBCONTAMSOIL	COMT/NATL	FEED	R2
Lead ores	LEADORES	METL/NATL	FEED	R2
Lead oxide	1317-36-8	INTR/N/S	FEED	R2
Lead sulfide	1314-87-0	PNT/NATL	FEED	R2
Lead sulfide	1314-87-0	PNT/NATL	FEED	R2
Lipopolysaccharides from Escherichia coli	ECOLI_LPS	COMT/NATL	IP/IJ	HSD
Magnetic fields (EMF)	ELECTROMAG	ELEC	WB	MD MC
Melamine + Cyanuric Acid combination	MELCYANCOMB	ADHS/SYN	GAV	RC
Melatonin	73-31-4	DIET/N/S	GAV	R5 R2
Melatonin	73-31-4	DIET/N/S	GAV	R2 R5
2-Mercaptobenzimidazole	583-39-1	ELEC/SYN	INHAL	R2 M3
2-Mercaptobenzimidazole	583-39-1	ELEC/SYN	INHAL	R2 M3
Metal working fluids (Syntilo 1023)	SYNTILO1023	METL/SYN	INHAL	RE M3
Metal working fluids (Trim SC210)	TRIMSC210	METL/SYN	INHAL	RD M3
Methapyrilene hydrochloride	135-23-9	PHAR/SYN	FEED	R2 M3
Methdilazine	1982-37-2	PHAR/SYN	GAV	R2 M3
6-Methoxy-2-benzothiazolamine	1747-60-0	INTR	FEED	R2 M3
2-Methoxy-4-nitroaniline	97-52-9	SYN	FEED	M3 HSD
4-(6-Methyl-2-benzothiazolyl)-benzenamine	92-36-4	INTR	FEED	R2 M3
Methyl coumarin	92-48-8	FOOD/NATL	GAV	R2 M3
Methylene blue trihydrate	7220-79-3	DYE	GAV	R2 M3
Methylene blue trihydrate	7220-79-3	DYE	GAV	R2 M3
Methyleugenol (TGMX rat liver evaluation)	93-15-2		GAV	RD
3-Methyl-6-methoxy-2-amino-benzothiazolium chloride	EMTDP-76	INTR	FEED	R2 M3
3-Methyl-6-methoxy-2-amino-benzothiazolium chloride	EMTDP-76	INTR	GAV	R2
alpha-Methylstyrene	98-83-9	ADHS	INHAL	R2 M3
Methyl trans-styryl ketone	1896-62-4	COSM/SYN	SP	R2 M3
Methyl trans-styryl ketone	1896-62-4	COSM/SYN	FEED	R2 M3
Methyl vinyl ketone	78-94-4	PHAR/SYN	INHAL	R2 M3
Microcystin-LA (TGMX)	96180-79-9	COMT/NATL	IV	RE
Microcystin-LR (TGMX)	101043-37-2	COMT/NATL	IV	RE
Microcystin mixture (TGMX)	MICROCYSTNMX	NATL/NATL	IV	RE
Nanoscale material (Quantum dots)	QUANTUMDOTS	NANO/SYN	SP	M0
Nanoscale material (Rutile titanium dioxide)	1317-80-2	NANO/N/S	SP	ME
NCT/DERT standardization experiment (APAP & AMAP)	NCTSTANDARD	N/A	GAV	MZ
Nitrobenzene	98-95-3	SOLV/SYN	SP	R2 M3
m-Nitrobenzoic acid	121-92-6	INTR	FEED	R2 M3
5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	2608-48-2	LABC	SP	R2 M3
5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	2608-48-2	LABC	FEED	R2 M3
N-Nitrosodiethanolamine	1116-54-7	COMT/SYN	WATER	R2 NA
N-Nitrosodimethylamine (TGMX rat liver evaluation)	62-75-9		WATER	RD
p-Nitrotoluene	99-99-0	DYE/SYN	GAV	R2 M3
NTP-2000 diet	DIET2000	FEED/SYN	FEED	R2
NTP-88 diet study (EGMBE)	DIET88+EGMBE	SOLV/SYN	WATER	R2 M3
NTP-88 diet study (EGMEE)	DIET88+EGMEE	SOLV/SYN	WATER	R2 M3
NTP-88 diet study (EGMME)	DIET88+EGMME	SOLV/SYN	WATER	R2 M3
NTP-88 diet study (m-Nitrotoluene)	DIET88+MNITR	DYE	FEED	R2 M3
NTP-88 diet study (o-Nitrotoluene)	DIET88+ONITR	DYE	FEED	R2 M3
NTP-88 diet study (p-Nitrotoluene)	DIET88+PNITR	DYE	FEED	R2 M3
Oxymetholone	434-07-1	PHAR/SYN	FEED	R2 M3
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	FLAM/SYN	GAV	RE
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	FLAM/SYN	GAV	RE
3,3,4,4,5-Pentachlorobiphenyl (PCB 126)	57465-28-8	ELEC/SYN	GAV	RE
Perfluorooctanoic Acid	335-67-1	ELEC/SYN	GAV	HSD
Peroxisome project (Dibutyl phthalate)	84-74-2	PEST/SYN	FEED	M3 H1 HSD

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## Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Peroxisome project (2,4-Dichlorophenoxyacetic acid)	94-75-7	PEST/SYN	FEED	M3 H1 HSD
Peroxisome project (Gemfibrozil)	25812-30-0	PHAR/SYN	FEED	M3 H1 HSD
Phenobarbital	50-06-6	PHAR/SYN	GAV	RE
Phosphine	7803-51-2	PEST/NATL	INHAL	R2 M3
Pregnancy Rate Comparison Study	PREGRATECOMP	N/A	N/A	HSDD HSDI
Prevention 1 (Melatonin)	73-31-4	DIET/NATL	GAV	MA
Prevention 2 (Melatonin)	73-31-4	PHAR/N/S	FEED	MA
Prevention 2 (Silymarin)	65666-07-1	PHAR/NATL	FEED	MA
Prevention 2 (Silymarin + melatonin)	SILYMARN+MEL	DIET/N/S	FEED	MA
Prevention 3 (Melatonin)	73-31-4	PHAR/N/S	FEED	MA
Prevention 6 (low isoflavone soy protein powder)	ISOFLAVSOYPT	FOOD/NATL	FEED	MA
Prevention 4 (Curcumin)	458-37-7	FOOD/NATL	FEED	MA
Prevention 7 (feed controls)	PREVENTION7	FEED	FEED	MA
Prevention 1 (Flaxseed oil)	8001-26-1	DIET/NATL	GAV	MA
Prevention 1 (Flaxseed oil + melatonin)	FLAXSEED+MEL	DIET/N/S	GAV	MA
Prevention 4 (Indole-3-carbinol)	700-06-1	FOOD/N/S	FEED	MA
Prevention 6 (isoflavone concentrate)	ISOFLAVCONCN	NATL/NATL	FEED	MA
Prevention 4 (Melatonin)	73-31-4	PHAR/NATL	FEED	MA
Prevention 5 (Melatonin)	73-31-4	PHAR/N/S	FEED	MA
Prevention 4 (Melatonin + curcumin)	MEL+CURCUMIN	DYE/NATL	FEED	MA
Prevention 4 (Melatonin + indole-3-carbinol)	MEL+INDOLCAR	PHAR	FEED	MA
Prevention 10 (Soy isoflavone concentrate)	PREVENTION10	NATL/NATL	FEED	MA
Propantheline bromide	50-34-0	PHAR/SYN	FEED	R2 M3
Pyridine	110-86-1	SOLV/SYN	GAV	M3
2,5-Pyridinedicarboxylic Acid, Dipropyl Ester	136-45-8	HERB/SYN	GAV	HSD
QT drugs (bepriidil hydrochloride)	74764-40-2	PHAR/SYN	CAPS	O3
QT drugs (diltiazem hydrochloride)	33286-22-5	PHAR/SYN	CAPS	O3
QT drugs (Loratadine)	79794-75-5	PHAR/SYN	CAPS	O3
QT drugs (Lovastatin)	75330-75-5	PHAR/SYN	CAPS	O3
QT drugs (sotalol hydrochloride)	959-24-0	PHAR/SYN	CAPS	O3
QT drugs (terfenadine)	50679-08-8	PHAR/SYN	CAPS	O3
Rat feed study (TGMX rat liver evaluation)	TGMXRALVFEED	N/A	FEED	RD
Reserpine	50-55-5	PHAR/NATL	FEED	M9 M8 MA
Retinoid project 2 (4-(Hydroxyphenyl)retinamide)	65646-68-6	PHAR/N/S	FEED	MA
Retinoid project 1	RETINOID1	PHAR/N/S	FEED	MA
Retinoid project 3 (Retinol acetate)	127-47-9	PHAR/N/S	FEED	MA
Retinoid project 4 (4-(Hydroxyphenyl)retinamide)	65646-68-6	PHAR/N/S	FEED	MA
Retinoid project 5 (4-(Hydroxyphenyl)retinamide)	65646-68-6	PHAR/N/S	FEED	MA
Retinoid project 6 (Arotinoid)	125533-88-2	PHAR/N/S	FEED	MA
Retinoid project 3 (Arotinoid)	125533-88-2	PHAR/N/S	FEED	MA
Retinoid project 5 (Arotinoid)	125533-88-2	CMOT	FEED	MA
Retinoid project 6 (4-HPR)	65646-68-6	PHAR/N/S	FEED	MA
Retroviral vectors	RETROVIRVECT	PHAR	IP/IJ	M3
Retroviral vectors	RETROVIRVECT	PHAR	IP/IJ	R2
Retroviral vectors	RETROVIRVECT	PHAR	WB	R2 M3 MD
Retroviral vectors	RETROVIRVECT	PHAR	IV	M3 MD
Scopolamine hydrobromide trihydrate	6533-68-2	PHAR/SYN	WATER	R2 M3
Silica, crystalline - quartz	14808-60-7	ELEC/NATL	INHAL	R2
Silica, crystalline - quartz	14808-60-7	ELEC/NATL	INHAL	R2
Silica, crystalline - quartz	14808-60-7	ELEC/NATL	INHAL	R2
Simazine	122-34-9	HERB/SYN	GAV	HSD
Styrene	100-42-5	RUBR/SYN	INHAL	R2 M3
Tebufenpyrad	119168-77-3	PEST	GAV	HSD
TEF transgenics (PCB 126)	57465-28-8		SP	ME
TEF transgenics (PCB 126 / PECDF mixture)	TEFTGMIXTURE		SP	ME
TEF transgenics (PECDF)	57117-31-4		SP	ME
TEF transgenics (TCDD)	1746-01-6		SP	ME
Tetrabromobisphenol A	79-94-7	FLAM	GAV	RE
2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	ENVH/SYN	GAV	MK MM
2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	ENVH/SYN	GAV	RE
3,3',4,4'-Tetrachloroazobenzene	14047-09-7	PEST/SYN	GAV	R8
1,1,2,2-Tetrachloroethane	79-34-5	SOLV/SYN	GAV	R2 M3
Tetradecanoyl phorbol acetate (TPA)	16561-29-8	REAG/NATL	SP	ME
Tetrahydrofuran	109-99-9	FDPK/SYN	GAV	R2 M3
4,4-Thiobis(6-tert-butyl-m-cresol)	96-69-5	FDPK/SYN	FEED	R2 M3
Thiophene	110-02-1	PHAR/N/S	INHAL	R2 M3
D-alpha-Tocopheryl acetate	58-95-7	DIET/NATL	GAV	R8 R2

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## Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX)	TGMXFLAVCLAS	FOOD/N/S	GAV	RD
Transgenic LECM (1-Chloro-2-propanol, technical)	127-00-4	INTR/SYN	WATER	MD
Transgenic LECM (1-Chloro-2-propanol, technical)	127-00-4	INTR/SYN	SP	ME
Transgenic LECM (Coconut oil acid diethanolamine condensate)	68603-42-9	TEXL/N/S	SP	ME
Transgenic LECM (Coconut oil acid diethanolamine condensate)	68603-42-9	TEXL/N/S	SP	MD
Transgenic LECM (Furfuryl alcohol)	98-00-0	FOOD/N/S	SP	ME
Transgenic LECM (Lauric acid diethanolamine condensate)	120-40-1	DTRG/SYN	SP	MD
Transgenic LECM (Lauric acid diethanolamine condensate)	120-40-1	DTRG/SYN	SP	ME
Transgenic LECM (Oleic acid diethanolamine condensate)	93-83-4	COSM/SYN	SP	MD
Transgenic LECM (Oleic acid diethanolamine condensate)	93-83-4	COSM/SYN	SP	ME
Transgenic LECM (Pentachlorophenol)	87-86-5	PEST/SYN	FEED	MD
Transgenic LECM (Pentachlorophenol)	87-86-5	PEST/SYN	SP	ME
Transgenic LECM (Pyridine)	110-86-1	SOLV/SYN	WATER	MD
Transgenic LECM (Pyridine)	110-86-1	SOLV/SYN	SP	ME
Transgenic LECM (Tetradecanoyl phorbol acetate (TPA))	16561-29-8	NATL/NATL	SP	MN
Transgenic LEP (p-Anisidine hydrochloride)	20265-97-8	INTR/SYN	FEED	MO MH
Transgenic LEP (Cyclosporin A)	59865-13-3	PHAR/NATL	GAV	MO MH
Transgenic LEP (Melphalan)	148-82-3	CMOT/SYN	GAV	MO MH
Transgenic LEP (p-Cresidine)	120-71-8	DYE	FEED	MH MO
Transgenic LEP (Resorcinol)	108-46-3	PHAR/SYN	GAV	MO MH
Transgenic LEP (Vinyl carbamate)	15805-73-9	INTR/SYN	IP/IJ	MH MO
Transgenic model evaluation (p-Anisidine HCl)	20265-97-8	DYE	SP	ME
Transgenic model evaluation (Bromodichloromethane)	75-27-4	INTR/SYN	GAV	MP
Transgenic model evaluation (Bromodichloromethane)	75-27-4	INTR/SYN	WATER	MP
Transgenic model evaluation (Cyclophosphamide monohydrate)	6055-19-2	CMOT/SYN	SP	MI MN
Transgenic model evaluation (Cyclophosphamide monohydrate)	6055-19-2	CMOT/SYN	GAV	MN MI
Transgenic model evaluation (Cyclosporin A)	59865-13-3	PHAR/N/S	GAV	ME
Transgenic model evaluation (Cyclosporin A)	59865-13-3	PHAR/N/S	GAV	MD
Transgenic model evaluation (DES)	56-53-1	PHAR/SYN	SP	ME
Transgenic model evaluation (DES)	56-53-1	PHAR/SYN	SC/IJ	MD
Transgenic model evaluation (DES)	56-53-1	PHAR/SYN	SP	MI MN
Transgenic model evaluation (DES)	56-53-1	PHAR/SYN	GAV	MI MN
Transgenic model evaluation (2,4-Diaminotoluene)	95-80-7	DYE/SYN	SP	ME
Transgenic model evaluation (2,4-Diaminotoluene)	95-80-7	DYE/SYN	FEED	MD
Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	15481-70-6	SYN	SP	ME
Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	15481-70-6	SYN	FEED	MD
Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	117-81-7	PLAS/SYN	SP	MN
Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	117-81-7	PLAS/SYN	FEED	MN
Transgenic model evaluation (Ethinyl estradiol)	57-63-6	PHAR/N/S	SP	MI MN
Transgenic model evaluation (Ethinyl estradiol)	57-63-6	PHAR/N/S	GAV	MI MN
Transgenic model evaluation (8-Hydroxyquinoline)	148-24-3	GERM/N/S	SP	ME
Transgenic model evaluation (8-Hydroxyquinoline)	148-24-3	GERM/N/S	FEED	MD
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	SP	ME
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	IP/IJ	MD
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	SP	MI MN
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	GAV	MN MI
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	GAV	MI
Transgenic model evaluation (N-Methylolacrylamide)	924-42-5	PLAS/SYN	GAV	ME

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CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Transgenic model evaluation (N-Methylolacrylamide)	924-42-5	PLAS/SYN	SP	ME
Transgenic model evaluation (Methylphenidate hydrochloride)	298-59-9	PHAR/SYN	FEED	ME MD
Transgenic model evaluation (Phenolphthalein)	77-09-8	PHAR/SYN	FEED	MD
Transgenic model evaluation (Resorcinol)	108-46-3	PHAR/SYN	SP	ME
Transgenic model evaluation (Resorcinol)	108-46-3	PHAR/SYN	GAV	MD
Transgenic model evaluation (Rotenone)	83-79-4	PEST/NATL	SP	ME
Transgenic model evaluation (Rotenone)	83-79-4	PEST/NATL	FEED	MD
Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	COMT/SYN	SP	ME
Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	COMT/SYN	GAV	MD
Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	COMT/SYN	GAV	ME
Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	1746-01-6	COMT/SYN	SP	ME
Transgenic model evaluation (WY-14643)	50892-23-4	PHAR/SYN	SP	MN
Transgenic model evaluation (WY-14643)	50892-23-4	PHAR/SYN	FEED	MN
Transgenic LECM (diethanolamine)	111-42-2	TEXL/SYN	SP	MN
Triamterene	396-01-0	PHAR/SYN	FEED	R2 M3
Trichlorfon	52-68-6	PEST/SYN	FEED	R2 M3
Trichloroethylene	79-01-6	ADHS/SYN	FEED	R2
Trichloroethylene	79-01-6	ADHS/SYN	GAV	R2
1,2,3-Trichloropropane	96-18-4	PNT/SYN	GAV	R2 M3
Triclosan	3380-34-5	COSM/SYN	GAV	HSD
Tricresyl Phosphate	1330-78-5	FLAM/SYN	GAV	HSD
Tricresyl Phosphate	1330-78-5	FLAM/SYN	GAV	R2 M3
Triethanolamine	102-71-6	COSM/SYN	WATER	R2 M3
Triethanolamine	102-71-6	COSM/SYN	SP	R2 M3
Triethanolamine	102-71-6	COSM/SYN	INHAL	R2 M3
Trimellitic anhydride	552-30-7	INTR/SYN	FEED	R2 M3
Trimellitic anhydride	552-30-7	INTR/SYN	GAV	R2 M3
Tripelennamine hydrochloride	154-69-8	PHAR/SYN	FEED	R2 M3
Triphenyl Phosphate	115-86-6	FLAM/SYN	GAV	HSD
Vincamine	1617-90-9	DIET/NATL	GAV	M3 HSD
Vinclozolin	50471-44-8	FUNG/SYN	GAV	HSD
Vinylidene fluoride	75-38-7	SOLV/SYN	INHAL	R2 M3
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	ENVH/NATL	WATER	R2 M3
Water disinfection byproducts (Bromodichloromethane)	75-27-4	FLAM/SYN	WATER	R2 M3
Water disinfection byproducts (Bromodichloromethane)	75-27-4	FLAM/SYN	GAV	R2 M3
Water disinfection byproducts (Dibromoacetic acid)	631-64-1	WATR/SYN	WATER	R2 M3
Water disinfection byproducts (Dichloroacetic acid)	79-43-6	GERM/SYN	WATER	R2 M3
Welding fumes	STEELWELDFUM	METL		
Wyeth 14,643 (WY)	50892-23-4	PHAR/SYN	GAV	HSD



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CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
				57-22-7	Vincristine	50	17
50-00-0	Formaldehyde	52	*	57-41-0	5,5-Diphenylhydantoin (phenytoin)	43	16
50-00-0	Formaldehyde	52	*	57-63-6	Endocrine disruptor (Ethinyl estradiol)	43	16
50-06-6	Phenobarbital	54	*	57-63-6	Endocrine disruptor (Ethinyl estradiol)	43	16
50-07-7	Mitomycin C	50	17	57-63-6	Endocrine disruptor (Ethinyl estradiol)	43	16
50-18-0	Cyclophosphamide	49	17	57-63-6	Endocrine disruptor (Ethinyl estradiol)	43	16
50-29-3	Dichlorodiphenyltrichloroethane (DDT)	43	16	57-63-6	Ethinyl estradiol	33	5
50-33-9	Phenylbutazone	46	16	57-63-6	Transgenic model evaluation (Ethinyl estradiol)	55	*
50-34-0	Propantheline bromide	54	*	57-63-6	Transgenic model evaluation (Ethinyl estradiol)	55	*
50-44-2	6-Mercaptopurine	50	17	57-66-9	Probencicid	47	16
50-55-5	Reserpine	47	16	57-68-1	Sulfamethazine	47	16
50-55-5	Reserpine	54	*	57-68-1	Sulfamethazine	47	16
50-76-0	Actinomycin D	49	17	57-74-9	Chlordane (analytical grade)	41	16
50-81-7	L-Ascorbic acid	40	16	@ 57-97-6	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
51-03-6	Piperonyl butoxide	47	16	@ 57-97-6	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
51-79-6	Urethane	39	16	@ 57-97-6	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
51-79-6	Urethane	49	16	@ 57-97-6	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
@ 51-79-6	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	39	16	@ 57-97-6	Magnetic fields + DMBA initiation promotion (Primary CASRN is EMF+DMBA)	38	16
@ 51-79-6	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	49	16	58-08-2	Caffeine	52	*
52-24-4	tris(Aziridinyl)-phosphine sulfide (Thio-TEPA)	48	16	@ 58-08-2	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*
52-68-6	Trichlorfon	56	*	@ 58-08-2	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*
53-03-2	Prednisone	50	17	58-14-0	Pyrimethamine	47	16
53-19-0	o,p'-DDD	49	17	58-33-3	Promethazine hydrochloride	39	16
54-31-9	Furosemide	44	16	58-33-3	Promethazine hydrochloride	47	16
@ 54-85-3	AZT + Isoniazid (AIDS Initiative) (Primary CASRN is AZTISONIAZID)	37	16	58-55-9	Theophylline	39	16
55-31-2	Epinephrine hydrochloride	43	16	58-55-9	Theophylline	39	16
55-38-9	Fenthion	44	16	58-55-9	Theophylline	48	16
56-23-5	Carbon tetrachloride	49	17	58-89-9	Lindane	45	16
@ 56-23-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16	58-93-5	Hydrochlorothiazide	44	16
56-38-2	Parathion	46	16	@ 58-95-7	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*
@ 56-40-6	Benzyl acetate + glycine combination study (Primary CASRN is GLYCINEBENZA)	51	*	@ 58-95-7	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*
56-53-1	Transgenic model evaluation (DES)	55	*	58-95-7	D-alpha-Tocopheryl acetate	54	*
56-53-1	Transgenic model evaluation (DES)	55	*	59-05-2	Methotrexate	50	17
56-53-1	Transgenic model evaluation (DES)	55	*	59-87-0	Nitrofurazone	46	16
56-53-1	Transgenic model evaluation (DES)	55	*	59-87-0	Nitrofurazone	50	17
56-72-4	Coumaphos	42	16	60-13-9	DL-amphetamine sulfate	40	16
56-93-9	Benzyltrimethyl ammonium chloride	37	16	60-51-5	Dimethoate	43	16
56-93-9	Benzyltrimethyl ammonium chloride	51	*	60-57-1	Dieldrin	43	16
56-93-9	Benzyltrimethyl ammonium chloride	37	16	60-57-1	Dieldrin	43	16
57-06-7	Allyl isothiocyanate	40	16	61-76-7	Phenylephrine hydrochloride	46	16
@ 57-14-7	Asbestos, chrysotile(IR) + Dimethyl hydrazine (Primary CASRN is 12001-29-5)	40	16	62-23-7	p-Nitrobenzoic acid	39	16
@ 57-14-7	Asbestos, chrysotile(IR) + Dimethyl hydrazine (Primary CASRN is 12001-29-5)	40	16	62-23-7	p-Nitrobenzoic acid	46	16
57-14-7	Dimethyl hydrazine (DMH)	49	17				

@ Denotes multiple CASRNs for study -- see following line for primary CASRN

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62-73-7	Dichlorvos	43	16
62-75-9	N-Nitrosodimethylamine (TGMX rat liver evaluation)	53	*
63-05-8	Androstenedione	51	*
63-05-8	Androstenedione	51	*
63-05-8	Androstenedione	40	16
63-25-2	Carbaryl	52	*
63-92-3	Phenoxybenzamine hydrochloride	46	16
64-17-5	Ethanol	43	16
@ 64-17-5	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	39	16
@ 64-17-5	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	49	16
64-18-6	Formic acid	38	16
64-75-5	Tetracycline hydrochloride	48	16
64-77-7	Tolbutamide	48	16
66-75-1	Uracil mustard	50	17
@ 66-84-2	Glucosamine Hydrochloride + Chondroitin Sulfate (Primary CASRN is GLUCOSCHONDN)	53	*
67-20-9	Nitrofurantoin	46	16
67-47-0	5-(Hydroxymethyl)-2-furfural	38	16
67-47-0	5-(Hydroxymethyl)-2-furfural	44	16
@ 67-56-1	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	5
67-64-1	Acetone	37	16
@ 67-64-1	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
@ 67-66-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
67-66-3	Chloroform	41	16
67-72-1	Halogenated ethanes CS (Hexachloroethane)	38	16
67-72-1	Hexachloroethane	44	16
67-72-1	Hexachloroethane	44	16
67-72-1	Hexachloroethane	44	16
68-12-2	Dimethylformamide	16	
@ 68-26-8	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*
69-65-8	D-Mannitol	45	16
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
70-30-4	Hexachlorophene	44	16
70-55-3	p-Toluenesulfonamide	39	16
71-43-2	Benzene	41	16
@ 71-43-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
71-43-2	Transgenic model evaluation II (Benzene)	36	16

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71-55-6	Halogenated ethanes CS (1,1,1-Trichloroethane)	38	16
71-55-6	1,1,1-Trichloroethane	48	16
71-55-6	1,1,1-Trichloroethane	39	16
72-20-8	Endrin	43	16
72-43-5	Methoxychlor	45	16
72-54-8	Tetrachlorodiphenylethane	48	16
72-55-9	p,p'-Dichlorodiphenyl dichloroethylene	43	16
72-56-0	Di(p-ethylphenyl)dichloroethane	43	16
73-22-3	L-Tryptophan	49	16
73-31-4	Melatonin	53	*
73-31-4	Melatonin	53	*
73-31-4	Prevention 1 (Melatonin)	54	*
73-31-4	Prevention 2 (Melatonin)	54	*
@ 73-31-4	Prevention 2 (Silymarin + melatonin) (Primary CASRN is SILYMARN+MEL)	54	*
73-31-4	Prevention 3 (Melatonin)	54	*
@ 73-31-4	Prevention 1 (Flaxseed oil + melatonin) (Primary CASRN is FLAXSEED+MEL)	54	*
73-31-4	Prevention 4 (Melatonin)	54	*
73-31-4	Prevention 5 (Melatonin)	54	*
@ 73-31-4	Prevention 4 (Melatonin + curcumin) (Primary CASRN is MEL+CURCUMIN)	54	*
@ 73-31-4	Prevention 4 (Melatonin + indole-3-carbinol) (Primary CASRN is MEL+INDOLCAR)	54	*
74-83-9	Methyl bromide	39	16
74-83-9	Methyl bromide	45	16
74-83-9	Methyl bromide	39	16
74-94-2	Dimethylamine Borane	33	5
74-96-4	Bromoethane (ethyl bromide)	41	16
75-00-3	Chloroethane	41	16
75-05-8	Acetonitrile	51	*
75-05-8	Acetonitrile	40	16
@ 75-09-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
75-09-2	Methylene chloride	45	16
75-12-7	Formamide	38	16
75-12-7	Formamide	44	16
75-15-0	Carbon disulfide	52	*
75-15-0	Carbon disulfide	52	*
75-15-0	Carbon disulfide	52	*
75-21-8	Ethylene oxide	44	16
@ 75-25-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
75-25-2	Tribromomethane	48	16
75-27-4	Bromodichloromethane	41	16

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75-27-4	Transgenic model evaluation (Bromodichloromethane)	55	*	77-65-6	Carbromal	41	16
75-27-4	Water disinfection byproducts (Bromodichloromethane)	56	*	77-79-2	3-Sulfolene	47	16
75-27-4	Water disinfection byproducts (Bromodichloromethane)	56	*	78-11-5	Pentaerythritol tetranitrate	46	16
75-27-4	Water disinfection byproducts (Bromodichloromethane)	49	16	78-34-2	Dioxathion	43	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-42-2	tris(2-Ethylhexyl)phosphate	49	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-44-4	Carisoprodol	52	*
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-44-4	Carisoprodol	37	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-44-4	Carisoprodol		16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-59-1	Isophorone	45	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-79-5	Isoprene	38	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-79-5	Isoprene	45	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-79-5	Isoprene		16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-84-2	Isobutyraldehyde	38	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-84-2	Isobutyraldehyde	45	16
75-27-4	Water disinfection model (Bromodichloromethane)	36	16	78-87-5	1,2-Dichloropropane (propylene dichloride)	43	16
@ 75-34-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16	@ 78-87-5	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16
75-34-3	1,1-Dichloroethane	43	16	78-88-6	2,3-Dichloropropylene	52	*
@ 75-35-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16	78-94-4	Methyl vinyl ketone	53	*
75-35-4	Vinylidene Chloride	49	16	79-00-5	1,1,2-Trichloroethane	48	16
75-35-4	Vinylidene Chloride	49	16	@ 79-01-6	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
75-38-7	Vinylidene fluoride	56	*	79-01-6	Trichloroethylene	48	16
75-47-8	Iodoform	45	16	79-01-6	Trichloroethylene	48	16
75-52-5	Fish Project 1 (Nitromethane)	44	16	79-01-6	Trichloroethylene	48	16
75-52-5	Fish Project 1 (Nitromethane)	44	16	79-01-6	Trichloroethylene	48	16
75-52-5	Nitromethane	46	16	79-01-6	Trichloroethylene	56	*
75-56-9	1,2-Propylene oxide	47	16	79-01-6	Trichloroethylene	56	*
75-65-0	tert-Butyl alcohol	41	16	79-06-1	Acrylamide	32	5
75-65-0	tert-Butyl alcohol	37	16	79-06-1	Acrylamide	40	16
75-69-4	Trichlorofluoromethane	48	16	79-06-1	Acrylamide	51	*
75-91-2	tert-Butyl hydroperoxide	51	*	79-11-8	Monochloroacetic acid	45	16
75-91-2	tert-Butyl hydroperoxide	52	*	79-27-6	Halogenated ethanes CS (1,1,2,2-Tetrabromoethane)	38	16
75-95-6	Halogenated ethanes CS (Pentabromoethane)	38	16	79-34-5	Halogenated ethanes CS (1,1,2,2-Tetrachloroethane)	38	16
76-01-7	Halogenated ethanes CS (Pentachloroethane)	38	16	79-34-5	1,1,2,2-Tetrachloroethane	48	16
76-01-7	Pentachloroethane	46	16	79-34-5	1,1,2,2-Tetrachloroethane	39	16
76-06-2	Chloropicrin	42	16	79-34-5	1,1,2,2-Tetrachloroethane	54	*
76-12-0	Halogenated ethanes CS (1,2- Difluoro-1,1,2,2- tetrachloroethane)	38	16	79-34-5	1,1,2,2-Tetrachloroethane	39	16
76-22-2	DL-Camphor	52	*	79-43-6	Water disinfection byproducts (Dichloroacetic acid)	56	*
76-44-8	Heptachlor	44	16	79-43-6	Water disinfection model (Dichloroacetic acid)	36	16
76-57-3	Codeine	37	16	79-43-6	Water disinfection model (Dichloroacetic acid)	36	16
76-57-3	Codeine	42	16	79-43-6	Water disinfection model (Dichloroacetic acid)	36	16
76-87-9	Triphenyltin hydroxide	48	16	79-44-7	Dimethylcarbamoyl chloride	49	17
77-09-8	Phenolphthalein	39	16	79-81-2	All-trans-retinyl palmitate	47	16
77-09-8	Phenolphthalein	46	16	79-94-7	Tetrabromobisphenol A	54	*
77-09-8	Transgenic model evaluation II (Phenolphthalein)	36	16	79-94-7	Tetrabromobisphenol A	33	5
77-09-8	Transgenic model evaluation (Phenolphthalein)	56	*				

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79-94-7	Tetrabromobisphenol A	48	16	88-72-2	o-Nitrotoluene	39	16
80-05-7	Bisphenol A	34	8	88-72-2	o-Nitrotoluene	46	16
80-05-7	Bisphenol A	51	*	88-73-3	2-Chloronitrobenzene	37	16
80-05-7	Bisphenol A	35	12	88-96-0	Phthalamide	46	16
80-05-7	Bisphenol A	41	16	89-25-8	1-Phenyl-3-methyl-5-pyrazolone	46	16
80-07-9	p,p'-Dichlorodiphenyl sulfone		16	89-63-4	4-Chloro-2-nitroaniline	52	*
80-07-9	p,p'-Dichlorodiphenyl sulfone	43	16	@ 89-78-1	DL-menthol (Primary CASRN is 15356-70-4)	45	16
80-08-0	4,4'-Sulfonyldianiline (Dapsone)	47	16				
80-09-1	Bisphenol S	33	5	89-82-7	Pulegone	33	5
80-15-9	Cumene hydroperoxide	52	*	89-82-7	Pulegone	47	16
80-56-8	alpha-Pinene	37	16	90-43-7	o-Phenylphenol	46	16
80-56-8	alpha-Pinene	34	8	90-94-8	Michler's ketone	45	16
80-62-6	Methyl methacrylate	45	16	91-17-8	Decalin	42	16
81-49-2	1-Amino-2,4-dibromoanthraquinone	40	16	91-20-3	Naphthalene	45	16
82-28-0	1-Amino-2-methylanthraquinone	40	16	91-20-3	Naphthalene	45	16
82-68-8	Pentachloronitrobenzene	46	16	91-23-6	o-Nitroanisole		16
82-68-8	Pentachloronitrobenzene	46	16	91-23-6	o-Nitroanisole	46	16
83-79-4	Rotenone	50	17	91-53-2	Ethoxyquin	52	*
83-79-4	Rotenone	47	16	91-64-5	Coumarin	37	16
83-79-4	Transgenic model evaluation (Rotenone)	56	*	91-64-5	Coumarin	42	16
83-79-4	Transgenic model evaluation (Rotenone)	56	*	91-64-5	Coumarin	33	5
84-65-1	Anthraquinone	40	16	91-84-9	Pyrilamine	47	16
84-66-2	Diethyl phthalate	43	16	91-93-0	3,3'-Dimethoxybenzidine-4,4'- diisocyanate	43	16
@ 84-66-2	Diethyl phthalate/dimethyl phthalate (Primary CASRN is DIETH/ DIMETH)	43	16	92-36-4	4-(6-Methyl-2-benzothiazolyl)- benzenamine	53	*
84-74-2	Dibutyl Phthalate	35	10	92-48-8	Methyl coumarin	53	*
84-74-2	Dibutyl Phthalate	37	16	93-15-2	Methyleugenol	33	5
84-74-2	Dibutyl Phthalate	37	16	93-15-2	Methyleugenol	39	16
84-74-2	Peroxisome project (Dibutyl phthalate)	53	*	93-15-2	Methyleugenol	45	16
85-44-9	Phthalic anhydride	46	16	93-15-2	Methyleugenol (TGMX rat liver evaluation)	53	*
85-68-7	Butyl benzyl phthalate	41	16	@ 93-15-2	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
85-68-7	Butyl benzyl phthalate	37	16	93-83-4	Oleic acid diethanolamine condensate	46	16
85-68-7	Butyl benzyl phthalate	41	16	93-83-4	Transgenic LECM (Oleic acid diethanolamine condensate)	55	*
86-30-6	N-Nitrosodiphenylamine	46	16	93-83-4	Transgenic LECM (Oleic acid diethanolamine condensate)	55	*
86-50-0	Azinphosmethyl	41	16	94-13-3	Propyl-4-hydroxybenzoate	32	2
86-57-7	1-Nitronaphthalene	46	16	94-20-2	Chlorpropamide	42	16
87-29-6	Cinnamyl anthranilate	42	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-62-7	2,6-Xylidine	49	16				
87-66-1	Pyrogallol	47	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-68-3	Hexachloro-1,3-butadiene	38	16				
87-86-5	Pentachlorophenol, Dowicide EC-7	46	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-86-5	Pentachlorophenol, DP-2	39	16				
87-86-5	Pentachlorophenol, purified	39	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-86-5	Pentachlorophenol, purified	46	16				
87-86-5	Pentachlorophenol, technical	46	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-86-5	Transgenic LECM (Pentachlorophenol)	55	*	94-52-0	6-Nitrobenzimidazole	46	16
87-86-5	Transgenic LECM (Pentachlorophenol)	55	*	@ 94-59-7	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
88-06-2	2,4,6-Trichlorophenol	48	16				
88-72-2	o-Nitrotoluene	39	16				

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@ 94-60-0	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	5	98-01-1	Furfural	44	16
94-75-7	Peroxisome project (2,4-Dichlorophenoxyacetic acid)	54	*	98-29-3	p-tert-Butylcatechol	37	16
95-06-7	Sulfallate	47	16	98-29-3	p-tert-Butylcatechol	37	16
95-14-7	1,2,3-Benzotriazole	41	16	98-56-6	p-Chloro-a,a,a-trifluorotoluene	35	12
95-48-7	o-Cresol	37	16	98-56-6	p-Chloro-a,a,a-trifluorotoluene	35	13
95-50-1	1,2-Dichlorobenzene (o-dichlorobenzene)	42	16	98-56-6	p-Chloro-a,a,a-trifluorotoluene	37	16
95-51-2	o-Chloroaniline	37	16	98-82-8	Cumene	42	16
95-63-6	1,2,4-trimethylbenzene	34	5	98-83-9	alpha-Methylstyrene	53	*
95-74-9	3-Chloro-p-toluidine	42	16	98-83-9	alpha-Methylstyrene	45	16
95-79-4	5-Chloro-o-toluidine	42	16	98-85-1	alpha-Methylbenzyl alcohol	45	16
95-80-7	2,4-Diaminotoluene (2,4-toluene diamine)	42	16	98-95-3	Nitrobenzene	53	*
95-80-7	Transgenic model evaluation (2,4-Diaminotoluene)	55	*	@ 98-96-4	AZT + Pyrazinamide combination (AIDS Initiative) (Primary CASRN is AZTZINAMIDE)	37	16
95-80-7	Transgenic model evaluation (2,4-Diaminotoluene)	55	*	98-96-4	Pyrazinamide	47	16
95-83-0	4-Chloro-o-phenylenediamine	42	16	99-08-1	m-Nitrotoluene	39	16
95-94-3	1,2,4,5-Tetrachlorobenzene	39	16	99-55-8	5-Nitro-o-toluidine	46	16
96-09-3	Styrene oxide	50	17	99-56-9	4-Nitro-o-phenylenediamine	46	16
96-12-8	1,2-Dibromo-3-chloropropane	42	16	99-57-0	2-Amino-4-nitrophenol	40	16
96-12-8	1,2-Dibromo-3-chloropropane	42	16	99-59-2	5-Nitro-o-anisidine	46	16
@ 96-12-8	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	99-97-8	N,N-Dimethyl-p-toluidine	35	10
96-13-9	2,3-Dibromo-1-propanol	42	16	99-97-8	N,N-Dimethyl-p-toluidine	52	*
96-18-4	Fish project 1 (1,2,3-Trichloropropane)	44	16	99-97-8	N,N-Dimethyl-p-toluidine	43	16
96-18-4	Fish project 1 (1,2,3-Trichloropropane)	44	16	99-99-0	p-Nitrotoluene	53	*
96-18-4	1,2,3-Trichloropropane	56	*	99-99-0	p-Nitrotoluene	39	16
96-18-4	1,2,3-Trichloropropane	48	16	99-99-0	p-Nitrotoluene	46	16
96-29-7	Methyl ethyl ketoxime	39	16	100-00-5	4-Chloronitrobenzene	37	16
96-45-7	Ethylene thiourea (ETU)	44	16	100-01-6	p-Nitroaniline		16
96-48-0	gamma-Butyrolactone	41	16	100-01-6	p-Nitroaniline	46	16
96-69-5	4,4-Thiobis(6-tert-butyl-m- cresol)	54	*	100-02-7	p-Nitrophenol	46	16
96-69-5	4,4-Thiobis(6-tert-butyl-m- cresol)	48	16	100-40-3	4-Vinylcyclohexene	49	16
97-52-9	2-Methoxy-4-nitroaniline	53	*	@ 100-41-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
97-53-0	Eugenol	44	16	100-41-4	Ethylbenzene	38	16
@ 97-53-0	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*	100-41-4	Ethylbenzene	44	16
97-54-1	Isoeugenol	45	16	100-42-5	Styrene	47	16
@ 97-54-1	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*	100-42-5	Styrene	54	*
97-77-8	Tetraethylthiuram disulfide	48	16	100-44-7	Benzyl chloride	49	17
98-00-0	Furfuryl alcohol	38	16	100-47-0	Benzonitrile	51	*
98-00-0	Furfuryl alcohol	44	16	100-51-6	Benzyl alcohol	41	16
98-00-0	Transgenic LECM (Furfuryl alcohol)	55	*	100-52-7	Benzaldehyde	41	16
				100-64-1	Cyclohexanone oxime	37	16
				101-05-3	Anilazine	40	16
				101-20-2	Triclocarban	32	3
				101-54-2	N-Phenyl-p-phenylenediamine	46	16
				101-61-1	4,4'-Methylenebis(N,N- dimethyl)benzenamine	45	16
				101-80-4	4,4'-Oxydianiline	46	16
				101-90-6	Diglycidyl resorcinol ether (DGRE)	43	16
				102-06-7	1,3-Diphenylguanidine		16
				102-50-1	m-Cresidine	42	16
				102-54-5	Ferrocene	52	*
				102-71-6	Triethanolamine	56	*

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CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
102-71-6	Triethanolamine	56	*	107-13-1	Acrylonitrile	40	16
102-71-6	Triethanolamine	56	*	107-18-6	Allyl alcohol	37	16
102-71-6	Triethanolamine	48	16	107-19-7	Propargyl alcohol	47	16
102-71-6	Triethanolamine	48	16	107-21-1	Ethylene glycol	44	16
102-96-5	beta-Nitrostyrene	46	16	107-22-2	Glyoxal	53	*
103-23-1	Di(2-ethylhexyl)adipate	43	16	107-30-2	Chloromethyl methyl ether	49	17
103-33-3	Azobenzene	41	16	108-10-1	Methyl isobutyl ketone	45	16
103-85-5	1-Phenyl-2-thiourea	46	16	108-30-5	Succinic anhydride	47	16
103-90-2	Acetaminophen (4-hydroxyacetanilide)	40	16	108-39-4	m-Cresol	37	16
103-90-2	Acetaminophen (4-hydroxyacetanilide)	51	*	108-42-9	m-Chloroaniline	37	16
@ 104-46-1	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*	108-46-3	Resorcinol	47	16
104-55-2	Cinnamaldehyde	52	*	108-46-3	Transgenic LEP (Resorcinol)	55	*
@ 105-08-8	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	5	108-46-3	Transgenic model evaluation (Resorcinol)	56	*
105-11-3	p-Benzoquinone dioxime	41	16	108-46-3	Transgenic model evaluation (Resorcinol)	56	*
105-55-5	N,N'-Diethylthiourea	43	16	108-60-1	bis(2-Chloro-1-methylethyl) ether	41	16
105-60-2	Caprolactam	41	16	108-60-1	bis(2-Chloro-1-methylethyl) ether	41	16
105-87-3	Geranyl acetate	44	16	108-78-1	Melamine	45	16
106-44-5	p-Cresol	37	16	@ 108-78-1	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	33	5
106-46-7	1,4-Dichlorobenzene (p-dichlorobenzene)	42	16	@ 108-78-1	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
106-47-8	p-Chloroaniline	41	16	@ 108-78-1	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	33	5
106-49-0	p-Toluidine	35	10	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	33	5
106-87-6	4-Vinyl-1-cyclohexene diepoxide	49	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
106-88-7	1,2-Epoxybutane	43	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	33	5
106-89-8	Epichlorhydrin	49	17	108-86-1	Bromobenzene	51	*
106-92-3	Allyl glycidyl ether	40	16	108-86-1	Bromobenzene	51	*
106-93-4	1,2-Dibromoethane	42	16	@ 108-88-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
106-93-4	1,2-Dibromoethane	42	16	108-88-3	Toluene	48	16
@ 106-93-4	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	108-88-3	Toluene	39	16
106-94-5	1-Bromopropane	41	16	@ 108-90-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
106-95-6	Allyl bromide	36	16	108-90-7	Chlorobenzene	41	16
106-95-6	Allyl bromide	51	*	108-94-1	Cyclohexanone	49	17
106-95-6	Allyl bromide	36	16	@ 108-95-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
106-99-0	1,3-Butadiene	41	16	108-95-2	Phenol	46	16
106-99-0	1,3-Butadiene	51	*	108-99-6	beta-Picoline	47	16
106-99-0	1,3-Butadiene	41	16	109-09-1	o-Chloropyridine	52	*
106-99-0	1,3-Butadiene	49	17	109-09-1	o-Chloropyridine	35	14
107-02-8	Acrolein	37	16	109-69-3	n-Butyl chloride	41	16
107-05-1	Allyl chloride	40	16	109-86-4	Ethylene Glycol Monomethyl Ether (EGMME)	38	16
@ 107-06-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16				
107-06-2	1,2-Dichloroethane	43	16				
107-06-2	1,2-Dichloroethane	37	16				
107-06-2	1,2-Dichloroethane		16				
107-06-2	1,2-Dichloroethane		16				
107-07-3	2-Chloroethanol (ethylene chlorohydrin)	41	16				

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109-86-4	Ethylene Glycol Monomethyl Ether (EGMME)	38	16	117-79-3	2-Aminoanthraquinone	40	16
109-89-7	Diethylamine	43	16	@ 117-81-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
109-99-9	Tetrahydrofuran	54	*	117-81-7	Di(2-ethylhexyl) Phthalate	35	10
109-99-9	Tetrahydrofuran	39	16	117-81-7	Di(2-ethylhexyl) Phthalate	35	10
109-99-9	Tetrahydrofuran	48	16	117-81-7	Di(2-ethylhexyl) Phthalate	52	*
110-00-9	Furan	50	17	117-81-7	Di(2-ethylhexyl) Phthalate	33	5
110-00-9	Furan	33	5	117-81-7	Di(2-ethylhexyl) Phthalate	52	*
110-00-9	Furan	44	16	117-81-7	Di(2-ethylhexyl) Phthalate	43	16
110-02-1	Thiophene	54	*	117-81-7	Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	55	*
110-54-3	n-Hexane	38	16	117-81-7	Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	55	*
110-63-4	1,4-Butanediol		16	118-74-1	Hexachlorobenzene	33	5
110-69-0	Butanal oxime	37	16	118-74-1	Hexachlorobenzene	35	14
110-80-5	Ethylene glycol monoethyl ether (EGMEE)	38	16	118-92-3	o-Anthranilic acid	40	16
110-80-5	Ethylene glycol monoethyl ether (EGMEE)	38	16	119-34-6	4-Amino-2-nitrophenol	40	16
110-86-1	Pyridine	54	*	119-53-9	Benzoin	41	16
110-86-1	Pyridine	47	16	119-61-9	Benzophenone	37	16
110-86-1	Pyridine	47	16	119-61-9	Benzophenone	41	16
110-86-1	Transgenic LECM (Pyridine)	55	*	119-64-2	Tetralin	48	16
110-86-1	Transgenic LECM (Pyridine)	55	*	119-84-6	3,4-Dihydrocoumarin	38	16
111-30-8	Glutaraldehyde	38	16	119-84-6	3,4-Dihydrocoumarin	43	16
111-30-8	Glutaraldehyde	44	16	120-32-1	o-Benzyl-p-chlorophenol	37	16
111-42-2	Diethanolamine	38	16	120-32-1	o-Benzyl-p-chlorophenol	41	16
111-42-2	Diethanolamine	38	16	120-32-1	o-Benzyl-p-chlorophenol	41	16
111-42-2	Diethanolamine	43	16	120-40-1	Lauric acid diethanolamine condensate	45	16
111-42-2	Transgenic LECM (diethanolamine)	56	*	120-40-1	Transgenic LECM (Lauric acid diethanolamine condensate)	55	*
111-76-2	2-Butoxyethanol (ethylene glycol monobutyl ether)	37	16	120-40-1	Transgenic LECM (Lauric acid diethanolamine condensate)	55	*
111-76-2	2-Butoxyethanol (ethylene glycol monobutyl ether)	37	16	@ 120-58-1	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
111-76-2	2-Butoxyethanol (ethylene glycol monobutyl ether)	41	16	120-61-6	Dimethyl terephthalate	43	16
111-91-1	bis(2-Chloroethoxy)methane	32	2	120-62-7	Piperonyl sulfoxide	47	16
111-91-1	bis(2-Chloroethoxy)methane	41	16	120-71-8	p-Cresidine	42	16
111-91-1	bis(2-Chloroethoxy)methane	52	*	120-71-8	p-Cresidine	52	*
111-91-1	bis(2-Chloroethoxy)methane	52	*	120-71-8	Transgenic LEP (p-Cresidine)	55	*
113-92-8	Chlorpheniramine maleate	42	16	120-83-2	2,4-Dichlorophenol	43	16
115-07-1	Propylene	47	16	121-14-2	2,4-Dinitrotoluene	43	16
115-11-7	Isobutene	45	16	121-19-7	Roxarsone	47	16
115-28-6	Chlorendic acid	41	16	121-44-8	Triethylamine		12
115-29-7	Endosulfan	43	16	121-54-0	Benzethonium chloride	37	16
115-32-2	Dicofol	43	16	121-54-0	Benzethonium chloride	41	16
115-86-6	Triphenyl Phosphate	56	*	121-66-4	2-Amino-5-nitrothiazole	40	16
115-86-6	Triphenyl Phosphate	34	5	121-69-7	N,N-Dimethylaniline	43	16
115-96-8	Tris(2-Chloroethyl) Phosphate	48	16	121-75-5	Malathion	45	16
116-06-3	Aldicarb	40	16	121-75-5	Malathion	45	16
@ 116-06-3	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	121-79-9	Propyl gallate	47	16
116-14-3	Tetrafluoroethylene	39	16	121-88-0	2-Amino-5-nitrophenol	40	16
116-14-3	Tetrafluoroethylene	48	16	121-92-6	m-Nitrobenzoic acid	53	*
117-08-8	Tetrachlorophthalic anhydride	39	16				
117-39-5	Quercetin	47	16				

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@ 122-34-9	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	131-57-7	2-Hydroxy-4-methoxybenzophenone	35	13
				131-57-7	2-Hydroxy-4-methoxybenzophenone	38	16
				131-57-7	2-Hydroxy-4-methoxybenzophenone	38	16
122-34-9	Simazine	54	*	131-57-7	2-Hydroxy-4-methoxybenzophenone	38	16
122-66-7	Hydrazobenzene	44	16	132-32-1	3-Amino-9-ethylcarbazole	49	17
123-31-9	Hydroquinone	44	16	132-98-9	Penicillin VK	46	16
123-35-3	beta-Myrcene	45	16	133-06-2	Captan	41	16
123-72-8	Butyraldehyde	52	*	133-90-4	Chloramben	41	16
123-77-3	Azodicarbonamide	51	*	134-29-2	o-Anisidine hydrochloride	40	16
123-91-1	1,4-Dioxane	43	16	134-50-9	9-Aminoacridine hydrochloride	51	*
124-48-1	Chlorodibromomethane	41	16	134-50-9	9-Aminoacridine hydrochloride	51	*
124-64-1	Tetrakis(hydroxymethyl)phosphonium chloride	48	16	134-72-5	Ephedrine sulfate	43	16
				135-20-6	Cupferron	42	16
125-33-7	Primidone (primaclone)	47	16	135-23-9	Methapyrilene hydrochloride	50	17
126-33-0	Sulfolane	34	6	135-23-9	Methapyrilene hydrochloride	53	*
126-33-0	Sulfolane	34	8	135-23-9	Methapyrilene hydrochloride	38	16
126-72-7	tris(2,3-Dibromopropyl) phosphate	48	16	135-88-6	N-Phenyl-2-naphthylamine	46	16
126-98-7	Methacrylonitrile		16	136-35-6	Diazoaminobenzene	37	16
126-98-7	Methacrylonitrile	45	16	136-40-3	Phenazopyridine hydrochloride	46	16
126-99-8	Chloroprene	37	16	136-45-8	2,5-Pyridinedicarboxylic Acid, Dipropyl Ester	54	*
126-99-8	Chloroprene	42	16				
126-99-8	Chloroprene	52	*	136-77-6	4-Hexylresorcinol	44	16
126-99-8	Chloroprene	52	*	137-09-7	2,4-Diaminophenol dihydrochloride	42	16
127-00-4	1-Chloro-2-propanol, technical	37	16	137-17-7	2,4,5-Trimethylaniline	48	16
127-00-4	1-Chloro-2-propanol, technical	52	*	137-30-4	Ziram	49	16
127-00-4	1-Chloro-2-propanol, technical	42	16	139-13-9	Nitriлотriacetic acid (NTA)	46	16
127-00-4	Transgenic LECM (1-Chloro-2-propanol, technical)	55	*	139-65-1	4,4'-Thiodianiline	48	16
				139-94-6	Nithiazide	46	16
127-00-4	Transgenic LECM (1-Chloro-2-propanol, technical)	55	*	140-11-4	Benzyl acetate	41	16
				140-11-4	Benzyl acetate	41	16
127-07-1	Hydroxyurea	50	17	@ 140-11-4	Benzyl acetate + glycine combination study (Primary CASRN is GLYCINEBENZA)	51	*
@ 127-18-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16				
				140-49-8	4-(Chloroacetyl)acetanilide	41	16
127-18-4	Tetrachloroethylene	48	16	140-56-7	Formulated fenaminosulf	44	16
@ 127-47-9	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*	140-67-0	Estragole	52	*
				140-67-0	Estragole	38	16
127-47-9	Retinoid project 3 (Retinol acetate)	54	*	@ 140-67-0	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
127-69-5	Sulfisoxazole	47	16				
128-37-0	Butylated hydroxytoluene	41	16	140-88-5	Ethyl acrylate	44	16
128-66-5	C.I. Vat Yellow 4	42	16	142-04-1	Aniline hydrochloride	40	16
129-15-7	2-Methyl-1-nitroanthraquinone	45	16	142-46-1	2,5-Dithiobiurea	43	16
129-15-7	2-Methyl-1-nitroanthraquinone	50	17	142-83-6	2,4-Hexadienal	38	16
129-73-7	Leucomalachite green	45	16	142-83-6	2,4-Hexadienal	44	16
129-73-7	Leucomalachite green	38	16				
129-79-3	2,4,7-Trinitro-fluoren-9-one	39	16	142-83-6	2,4-Hexadienal	44	16
129-79-3	2,4,7-Trinitro-fluoren-9-one	39	16	143-33-9	Sodium cyanide		16
130-17-6	2-(4-Aminophenyl)-6-methyl-7- benzothiazole sulfonic acid	51	*	143-50-0	Chlordecone	41	16
				147-24-0	Diphenhydramine hydrochloride	43	16
@ 131-11-3	Diethyl phthalate/dimethyl phthalate (Primary CASRN is DIETH/ DIMETH)	43	16	147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	38	16
				147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	43	16
131-17-9	Diallyl phthalate	42	16	147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	38	16
131-17-9	Diallyl phthalate	42	16				

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147-47-7	1,2-Dihydro-2,2,4-trimethylquinoline (monomer)	43	16	302-17-0	Chloral hydrate	41	16
147-94-4	Cytarabine	49	17	302-17-0	Chloral hydrate	37	16
148-18-5	Sodium diethyldithiocarbamate	47	16	302-17-0	Chloral hydrate	41	16
148-24-3	8-Hydroxyquinoline	44	16	303-34-4	Lasiocarpine	45	16
148-24-3	Transgenic model evaluation (8-Hydroxyquinoline)	55	*	303-47-9	Ochratoxin A	46	16
148-24-3	Transgenic model evaluation (8-Hydroxyquinoline)	55	*	305-03-3	Chlorambucil	49	17
148-82-3	Melphalan	50	17	306-37-6	1,2-Dimethylhydrazine 2HCl	49	17
148-82-3	Transgenic LEP (Melphalan)	55	*	307-24-4	Perfluorohexanoic acid (PFHXA)	34	6
148-82-3	Transgenic model evaluation (Melphalan)	55	*	309-00-2	Aldrin	40	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	315-18-4	Mexacarbate	45	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	316-42-7	Emetine hydrochloride	43	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	320-67-2	5-Azacytidine	40	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	333-41-5	Diazinon	42	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	35	10
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	35	10
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	53	*
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	34	6
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	33	5
149-30-4	2-Mercaptobenzothiazole	45	16	335-67-1	Perfluorooctanoic Acid	34	6
150-38-9	Trisodium ethylenediaminetetraacetate trihydrate (EDTA)	49	16	335-76-2	Perfluorodecanoic Acid	34	6
150-68-5	Monuron	45	16	342-69-8	6-Methylmercaptapurine ribonucleoside	50	17
154-69-8	Tripeleminamine hydrochloride	56	*	354-58-5	Halogenated ethanes CS (1,1,1-Trichloro-2,2,2-trifluoroethane)	38	16
154-93-8	1,3-bis(Chloroethyl)-1-nitrosourea	49	17	366-70-1	Procarbazine hydrochloride	50	17
156-10-5	p-Nitrosodiphenylamine	46	16	366-70-1	Procarbazine hydrochloride	47	16
156-59-2	cis-1,2-Dichloroethylene	52	*	367-51-1	Sodium thioglycolate	39	16
@ 156-60-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16	375-73-5	Perfluorobutane sulfonate (PFBS)	34	6
156-60-5	trans-1,2-Dichloroethylene	52	*	375-95-1	Perfluorononanoic Acid	34	6
156-60-5	trans-1,2-Dichloroethylene	52	*	389-08-2	Nalidixic acid	45	16
156-60-5	trans-1,2-Dichloroethylene	38	16	396-01-0	Triamterene	56	*
156-62-7	Calcium cyanamide	41	16	396-01-0	Triamterene	48	16
262-12-4	Dibenzo-p-dioxin	42	16	431-03-8	2,3-Butanedione	35	13
271-89-6	Benzofuran	41	16	434-07-1	Oxymetholone	53	*
286-20-4	Cyclohexene oxide	52	*	434-07-1	Oxymetholone	46	16
286-20-4	Cyclohexene oxide	52	*	434-13-9	Lithocholic acid	45	16
286-20-4	Cyclohexene oxide	52	*	446-72-0	Endocrine disruptor (Genistein)	43	16
298-00-0	Methyl parathion	45	16	446-86-6	Azathioprine	49	17
298-59-9	Methylphenidate hydrochloride	39	16	458-37-7	Prevention 4 (Curcumin)	54	*
298-59-9	Methylphenidate hydrochloride	45	16	@ 458-37-7	Prevention 4 (Melatonin + curcumin)	54	*
298-59-9	Transgenic model evaluation (Methylphenidate hydrochloride)	56	*		(Primary CASRN is MEL+CURCUMIN)		
298-81-7	8-Methoxypsoralen	45	16	462-08-8	3-Aminopyridine	51	*
@ 299-42-3	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*	@ 462-08-8	Comparison study of Aminopyridines/Troponin levels (Primary CASRN is AMINOPYRCOMP)	51	*
@ 299-42-3	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*	469-21-6	Doxylamine	43	16
@ 301-04-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16	470-82-6	1,8-Cineol	52	*
301-04-2	Lead(2+) acetate	53	*	470-82-6	1,8-Cineol	52	*
@ 301-04-2	Lead contaminated soil (Primary CASRN is PBCONTAMSOIL)	53	*	@ 471-15-8	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	33	5
				@ 471-15-8	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	39	16
				@ 471-15-8	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	48	16
				481-72-1	Aloe-emodin	40	16

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CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
486-12-4	Triprolidine	48	16	597-25-1	Dimethyl morpholinophosphoramidate	43	16
488-41-5	Dibromomannitol	49	17	598-55-0	Methyl carbamate	45	16
501-36-0	Resveratrol	34	8	599-79-1	Salicylazosulfapyridine	39	16
504-24-5	4-Aminopyridine	51	*	599-79-1	Salicylazosulfapyridine	47	16
@ 504-24-5	Comparison study of Aminopyridines/Troponin levels (Primary CASRN is AMINOPYRCOMP)	51	*	600-14-6	2,3-Pentanedione	35	12
504-29-0	2-Aminopyridine	51	*	602-87-9	5-Nitroacenaphthene	46	16
@ 504-29-0	Comparison study of Aminopyridines/Troponin levels (Primary CASRN is AMINOPYRCOMP)	51	*	604-75-1	Oxazepam	46	16
504-88-1	3-Nitropropionic acid	46	16	604-75-1	Oxazepam	46	16
509-14-8	Tetranitromethane	48	16	607-91-0	Myristicin	35	12
510-15-6	Chlorobenzilate	41	16	@ 607-91-0	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
512-56-1	Trimethylphosphate	48	16	608-93-5	Pentachlorobenzene	39	16
513-37-1	Dimethylvinyl chloride (DMVC)	43	16	609-20-1	2,6-Dichloro-p-phenylenediamine	43	16
513-86-0	Acetoin	35	14	611-14-3	2-ethyltoluene	33	5
@ 514-78-3	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*	612-82-8	3,3'-Dimethylbenzidine dihydrochloride	43	16
518-82-1	Emodin	43	16	614-45-9	tert-Butyl perbenzoate	37	16
528-74-5	Dichloromethotrexate	49	17	616-91-1	Antioxidant model (TRAMP) - N-acetylcysteine	51	*
531-76-0	Merphalan	50	17	619-17-0	4-Nitroanthranilic acid	46	16
531-85-1	Benzidine dihydrochloride	51	*	620-14-4	3-ethyltoluene	33	5
532-27-4	2-Chloroacetophenone (CN)	41	16	622-51-5	p-Tolylurea	50	17
536-33-4	Ethionamide	43	16	622-96-8	4-ethyltoluene	33	5
538-23-8	Tricaprylin	48	16	624-18-0	p-Phenylenediamine dihydrochloride	46	16
538-75-0	Dicyclohexylcarbodiimide	36	16	624-83-9	Methyl isocyanate	50	17
538-75-0	Dicyclohexylcarbodiimide	36	16	628-02-4	Hexanamide	50	17
538-75-0	Dicyclohexylcarbodiimide	36	16	630-16-0	Halogenated ethanes CS (1,1,1,2-Tetrabromoethane)	38	16
540-59-0	cis & trans 1,2-Dichloroethylene	52	*	630-20-6	Halogenated ethanes CS (1,1,1,2-Tetrachloroethane)	38	16
542-56-3	Isobutyl nitrite	45	16	630-20-6	1,1,1,2-Tetrachloroethane	48	16
542-75-6	1,3-Dichloropropene (Telone II)	43	16	631-64-1	Water disinfection byproducts (Dibromoacetic acid)	56	*
542-88-1	bis(Chloromethyl) ether	49	17	631-64-1	Water disinfection byproducts (Dibromoacetic acid)	49	16
546-80-5	alpha-Thujone	39	16	636-21-5	o-Toluidine hydrochloride	48	16
@ 546-80-5	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	33	5	636-21-5	o-Toluidine hydrochloride	39	16
@ 546-80-5	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	39	16	643-22-1	Erythromycin stearate	43	16
@ 546-80-5	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	48	16	643-79-8	ortho-Phthalaldehyde	35	12
548-62-9	Hexamethyl-p-rosaniline chloride	44	16	678-39-7	Fluorotelomer Alcohol 8+2	32	3
548-62-9	Hexamethyl-p-rosaniline chloride	44	16	693-13-0	Diisopropylcarbodiimide	38	16
552-30-7	Trimellitic anhydride	56	*	693-13-0	Diisopropylcarbodiimide	36	16
552-30-7	Trimellitic anhydride	56	*	693-13-0	Diisopropylcarbodiimide	36	16
556-52-5	Glycidol	44	16	693-13-0	Diisopropylcarbodiimide	36	16
556-52-5	Transgenic model evaluation II (Glycidol)	36	16	693-13-0	Diisopropylcarbodiimide	43	16
563-47-3	3-Chloro-2-methylpropene	42	16	693-98-1	2-Methylimidazole	39	16
569-61-9	C.I. Basic Red 9 Monohydrochloride	42	16	693-98-1	2-Methylimidazole	45	16
569-64-2	Malachite green	45	16	700-06-1	Indole-3-carbinol	35	14
569-64-2	Malachite green	38	16	700-06-1	Indole-3-carbinol	36	14
583-39-1	2-Mercaptobenzimidazole	53	*	700-06-1	Prevention 4 (Indole-3-carbinol)	54	*
583-39-1	2-Mercaptobenzimidazole	53	*	@ 700-06-1	Prevention 4 (Melatonin + indole-3-carbinol) (Primary CASRN is MEL+INDOLCAR)	54	*
591-87-7	Allyl acetate	37	16				

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@ 723-46-6	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSMX)	51	*	1303-00-0	Gallium arsenide	38	16
				1303-00-0	Gallium arsenide	44	16
@ 723-46-6	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSMX)	51	*	1306-19-0	Cadmium oxide	37	16
				1306-19-0	Cadmium oxide	37	16
@ 738-70-5	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSMX)	51	*	1309-64-4	Antimony Trioxide	35	14
				1313-27-5	Molybdenum trioxide	39	16
@ 738-70-5	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSMX)	51	*	1313-27-5	Molybdenum trioxide	45	16
				1313-99-1	Nickel (II) oxide	46	16
				1314-62-1	Vanadium pentoxide	39	16
				1314-62-1	Vanadium pentoxide	49	16
756-79-6	Dimethyl methylphosphonate	43	16	@ 1314-87-0	Lead contaminated soil (Primary CASRN is PBCONTAMSOIL)	53	*
770-35-4	Propylene glycol phenyl ether	33	5				
789-61-7	beta-Thioguanidine deoxyriboside	48	16	1314-87-0	Lead sulfide	53	*
822-36-6	4-Methylimidazole	39	16	1314-87-0	Lead sulfide	53	*
822-36-6	4-Methylimidazole	45	16	1317-36-8	Lead oxide	53	*
828-00-2	Dimethoxane	43	16	1317-80-2	Nanoscale material (Rutile titanium dioxide)	53	*
834-12-8	Ametryn	51	*				
834-28-6	Phenformin hydrochloride	46	16	1319-77-3	Cresols	37	16
842-07-9	C.I. Solvent Yellow 14	42	16	1319-77-3	Cresols	42	16
865-21-4	Vinblastine	50	17	1321-74-0	Divinylbenzene	52	*
868-85-9	Dimethyl hydrogen phosphite	43	16	1321-74-0	Divinylbenzene	43	16
924-42-5	N-Methylolacrylamide	45	16	@ 1327-53-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
924-42-5	Transgenic model evaluation (N-Methylolacrylamide)	55	*				
924-42-5	Transgenic model evaluation (N-Methylolacrylamide)	56	*	1328-53-6	C.I. Phthalocyanine green	52	*
930-68-7	2-Cyclohexen-1-one	52	*	@ 1330-20-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
952-23-8	Proflavin hydrochloride	47	16				
959-24-0	QT drugs (sotalol hydrochloride)	54	*	1330-20-7	Xylenes (mixed)	49	16
961-11-5	Tetrachlorvinphos	48	16	1330-78-5	Tricresyl Phosphate	56	*
968-81-0	Acetohexamide	40	16	1330-78-5	Tricresyl Phosphate	32	2
982-57-0	Chloramphenicol sodium succinate	52	*	1330-78-5	Tricresyl Phosphate	56	*
989-38-8	Rhodamine 6G	47	16	1330-78-5	Tricresyl Phosphate	48	16
989-51-5	Antioxidant model (TRAMP) - Epigallocatechin gallate	51	*	@ 1333-82-0	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
999-81-5	2-Chloroethyltrimethylammonium chloride	41	16	1338-23-4	Methyl ethyl ketone peroxide	39	16
1067-33-0	Dibutyltin diacetate	42	16	1415-73-2	Aloin	32	5
1071-83-6	Glyphosate	38	16	1420-04-8	Clonitralid	42	16
1071-83-6	Glyphosate	38	16	1455-77-2	Guanazole	50	17
@ 1095-90-5	AZT + Methadone HCl (AIDS) (Primary CASRN is AZTMETHCOMB)	51	*	1465-25-4	N-(1-Naphthyl)ethylenediamine dihydrochloride	45	16
1116-54-7	N-Nitrosodiethanolamine	53	*	1478-61-1	Bisphenol AF	33	5
1124-64-7	Ionic Liquid: N-Butylpyridinium Chloride	33	5	1582-09-8	Trifluralin	48	16
@ 1124-64-7	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*	1596-84-5	Daminozide	42	16
				1617-90-9	Vincamine	56	*
1156-19-0	Tolazamide	48	16	1629-58-9	Ethyl vinyl ketone	52	*
1162-65-8	Aflatoxin B1 (TGMX)	32	5	1634-78-2	Malaoxon	45	16
1163-19-5	Decabromodiphenyl Ether	33	5	@ 1646-87-3	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16
1163-19-5	Decabromodiphenyl Ether	42	16				
1212-29-9	N,N'-Dicyclohexylthiourea	43	16	@ 1646-88-4	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16
1241-94-7	2-Ethylhexyl Diphenyl Phosphate	52	*				
1271-19-8	Titanocene dichloride	48	16	1649-08-7	Halogenated ethanes CS (1,2-Dichloro-1,1-difluoroethane)	38	16
1300-72-7	Sodium xylenesulfonate	39	16				
1300-72-7	Sodium xylenesulfonate	47	16				

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1746-01-6	Toxic equivalency factor evaluation (TCDD)	47	16	2432-99-7	11-Aminoundecanoic acid	40	16
1746-01-6	TEF transgenics (TCDD)	54	*	2438-88-2	2,3,5,6-Tetrachloro-4-nitroanisole	48	16
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	48	16	2440-22-4	Phenolic Benzotriazoles (Drometrizole)	33	5
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	48	16	2475-45-8	C.I. Disperse Blue 1	42	16
@ 1746-01-6	Toxic equivalency factor evaluation (Dioxin mixture) (Primary CASRN is TEFDIOXINMIX)	48	16	2489-77-2	Trimethylthiourea	48	16
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2602-46-2	C.I. Direct Blue 6	37	16
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2602-46-2	C.I. Direct Blue 6	52	*
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2608-48-2	5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	53	*
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2608-48-2	5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	53	*
1747-60-0	6-Methoxy-2-benzothiazolamine	53	*	2698-41-1	o-Chlorobenzalmalononitrile (CS)	41	16
1763-23-1	Perfluorooctane Sulfonate	34	6	2757-90-6	Agaritine	49	17
1777-84-0	3-Nitro-p-acetophenetide	46	16	2783-94-0	FD & C Yellow No. 6	44	16
1825-21-4	Pentachloroanisole	46	16	2784-94-3	HC Blue 1	44	16
1836-75-5	Nitrofen	46	16	2832-40-8	C.I. Disperse Yellow 3	42	16
1836-75-5	Nitrofen	46	16	2835-39-4	Allyl isovalerate	40	16
1896-62-4	Methyl trans-styryl ketone	53	*	2835-95-2	5-Amino-o-cresol	37	16
1896-62-4	Methyl trans-styryl ketone	53	*	2871-01-4	HC Red 3	44	16
1896-62-4	Methyl trans-styryl ketone	45	16	3147-75-9	Phenolic Benzotriazoles (Octrizole)	33	5
1897-45-6	Chlorothalonil	42	16	3147-76-0	Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)-4-tert-butylphenol)	33	5
@ 1912-24-9	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	3165-93-3	4-Chloro-o-toluidine hydrochloride	42	16
@ 1912-24-9	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16	3252-43-5	Water disinfection byproducts (Dibromoacetonitrile)	49	16
1918-02-1	Picloram	47	16	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	51	*
1936-15-8	C.I. Acid Orange 10	42	16	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	37	16
1937-37-7	C.I. Direct Black 38	37	16	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	41	16
1948-33-0	t-Butylhydroquinone	41	16	3296-90-0	Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	44	16
1955-45-9	Pivalolactone	47	16	3296-90-0	Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	44	16
1972-08-3	1-trans-delta-9-Tetrahydrocannabinol	39	16	3380-34-5	Triclosan	56	*
1972-08-3	1-trans-delta-9-Tetrahydrocannabinol	48	16	3380-34-5	Triclosan	34	8
1982-37-2	Methdilazine	53	*	3380-34-5	Triclosan	33	5
2058-46-0	Oxytetracycline hydrochloride	46	16	3416-24-8	Glucosamine	52	*
2164-17-2	Fluometuron	44	16	3458-22-8	IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)	44	16
2185-92-4	2-Biphenylamine hydrochloride	41	16	3524-68-3	Pentaerythritol triacrylate	36	16
2243-62-1	1,5-Naphthalenediamine	45	16	3524-68-3	Pentaerythritol triacrylate	36	16
2244-16-8	D-Carvone	41	16	3546-10-9	Phenesterin	46	16
2385-85-5	Mirex	45	16	3567-69-9	C.I. Acid Red 14	42	16
2425-85-6	C.I. Pigment Red 3	42	16	3622-84-2	N-Butylbenzenesulfonamide	33	5
2426-08-6	n-Butyl Glycidyl Ether	51	*	3622-84-2	N-Butylbenzenesulfonamide	32	3
2429-74-5	C.I. Direct Blue 15	42	16	3778-73-2	Isophosphamide	45	16
				3864-99-1	Phenolic Benzotriazoles (2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol)	33	5
				3871-99-6	Perfluorohexane sulfonate potassium salt (PFHKSlt)	33	5

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3896-11-5	Phenolic Benzotriazoles (Bumetizole)	33	5	@ 6484-52-2	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16
4170-30-3	Crotonaldehyde	52	*				
4320-30-3	L-Arginine Glutamate	49	17	6533-68-2	Scopolamine hydrobromide trihydrate	39	16
4342-03-4	Dacarbazine	49	17	6533-68-2	Scopolamine hydrobromide trihydrate	54	*
4465-94-5	Cytoxal alcohol	49	17	6533-68-2	Scopolamine hydrobromide trihydrate	47	16
5131-60-2	4-Chloro-m-phenylenediamine	42	16	6959-47-3	2-Chloromethylpyridine hydrochloride	42	16
5160-02-1	D&C Red No. 9	42	16	6959-48-4	3-Chloromethylpyridine hydrochloride	42	16
5263-02-5	Zinc Carbonate, Basic	35	13	7008-42-6	Acronycine	40	16
5307-14-2	2-Nitro-p-phenylenediamine	46	16	7166-19-0	beta-Bromo-beta-nitrostyrene	37	16
5392-40-5	Citral	42	16	7177-48-2	Ampicillin trihydrate	40	16
5392-40-5	Citral	52	*	7220-79-3	Methylene blue trihydrate	53	*
5392-40-5	Citral	52	*	7220-79-3	Methylene blue trihydrate	53	*
5407-04-5	Dimethylaminopropyl chloride, hydrochloride	52	*	7220-79-3	Methylene blue trihydrate	45	16
5407-04-5	Dimethylaminopropyl chloride, hydrochloride	38	16	7336-20-1	4,4'-Diamino-2,2'- stilbenedisulfonic acid, disodium salt	42	16
@ 5436-43-1	BDE Toxicogenomics Study (TGMX) (Primary CASRN is TGMXBDECLASS)	32	2	@ 7439-92-1	Lead contaminated soil (Primary CASRN is PBCONTAMSOIL)	53	*
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	54	*	7440-22-4	Nanoscale Silver	33	5
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	32	2	7440-38-2	Arsenic	32	4
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	54	*	7440-47-3	Chromium	49	17
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	33	5	7440-48-4	Cobalt	42	16
5522-43-0	1-Nitropyrene	39	16	7446-34-6	Selenium sulfide	47	16
5589-96-8	Water disinfection byproducts (Bromochloroacetic acid)	49	16	7446-34-6	Selenium sulfide	47	16
5634-39-9	Iodinated glycerol	45	16	@ 7481-89-2	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine (Primary CASRN is AZTDDCCOMB)	51	*
5694-00-8	Glycidamide	44	16	7481-89-2	2',3'-Dideoxycytidine	52	*
@ 5743-04-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16	7481-89-2	2',3'-Dideoxycytidine	52	*
5989-27-5	D-Limonene	45	16	7481-89-2	2',3'-Dideoxycytidine	52	*
@ 6018-89-9	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16	@ 7481-89-2	Interferon AD + ddC (AIDS Initiative) (Primary CASRN is INTDDCCOMB)	53	*
6055-19-2	Transgenic model evaluation (Cyclophosphamide monohydrate)	55	*	@ 7487-94-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	37	16
6055-19-2	Transgenic model evaluation (Cyclophosphamide monohydrate)	55	*	7487-94-7	Mercuric chloride	45	16
6055-52-3	1,6-Hexanediamine dihydrochloride	38	16	7562-61-0	(+)-Usnic Acid	34	6
6055-52-3	1,6-Hexanediamine dihydrochloride	38	16	7632-00-0	Sodium nitrite	39	16
6109-97-3	3-Amino-9-ethylcarbazole HCl	40	16	7632-00-0	Sodium nitrite	47	16
6317-18-6	Methylene bis(thiocyanate)	39	16	7681-49-4	Sodium Fluoride	47	16
6358-85-6	Diarylanilide yellow	42	16	7681-49-4	Sodium Fluoride	50	17
6369-59-1	2,5-Toluenediamine sulfate	48	16	@ 7681-52-9	Chloraminated water (Primary CASRN is CHLORAMINEMX)	41	16
6373-74-6	C.I. Acid Orange 3	42	16	@ 7681-52-9	Chlorinated water (Primary CASRN is CHLORWATERMX)	41	16
6425-39-4	2,2'-Dimorpholinodiethyl Ether	33	5	7758-99-8	Cupric sulfate	37	16
6459-94-5	C.I. Acid Red 114	42	16	7758-99-8	Cupric sulfate	37	16
6471-49-4	C.I. Pigment Red 23	42	16	7772-99-8	Stannous chloride	47	16
@ 6484-52-2	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	7775-09-9	Water disinfection byproducts (Sodium chlorate)	49	16

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@ 7782-50-5	Chlorinated water (Primary CASRN is CHLORWATERMX)	41	16	@ 10028-15-6	Ozone/NNK (Primary CASRN is OZONNNKCOMB)	46	16
7784-42-1	Arsine	51	*	10034-96-5	Manganese sulfate monohydrate	38	16
@ 7784-46-5	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	10034-96-5	Manganese sulfate monohydrate	45	16
@ 7784-46-5	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	10043-35-3	Boric acid	41	16
@ 7786-81-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16	@ 10060-12-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
7789-12-0	Sodium dichromate dihydrate (VI)	47	16	10096-91-0	Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)phenol)	33	5
7789-12-0	Sodium dichromate dihydrate (VI)	39	16	10101-97-0	Nickel sulfate hexahydrate	46	16
7789-38-0	Water disinfection model (Sodium bromate)	36	16	10102-18-8	Sodium selenite	39	16
7789-38-0	Water disinfection model (Sodium bromate)	36	16	@ 10108-64-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
7789-38-0	Water disinfection model (Sodium bromate)	36	16	10213-10-2	Sodium Tungstate Dihydrate	35	10
7803-51-2	Phosphine	54	*	10318-26-0	Dibromodulcitol	49	17
8000-27-9	Cedarwood oil	35	14	10326-27-9	Barium chloride dihydrate	37	16
8001-23-8	Safflower oil	47	16	10326-27-9	Barium chloride dihydrate	41	16
8001-26-1	Prevention 1 (Flaxseed oil)	54	*	@ 10599-90-3	Chloraminated water (Primary CASRN is CHLORAMINEMX)	41	16
@ 8001-26-1	Prevention 1 (Flaxseed oil + melatonin) (Primary CASRN is FLAXSEED+MEL)	54	*	@ 11084-85-8	Chlorinated trisodium phosphate (Primary CASRN is 56802-99-4)	41	16
8001-30-7	Corn oil	42	16	@ 11096-82-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	37	16
8001-35-2	Toxaphene	48	16	11097-69-1	Aroclor 1254	40	16
8001-79-4	Castor oil	37	16	12001-28-4	Asbestos, crocidolite	40	16
8001-97-6	Aloe vera gel	40	16	12001-29-5	Asbestos, chrysotile(IR)	40	16
8003-03-0	Aspirin, phenacetin, and caffeine	40	16	12001-29-5	Asbestos, chrysotile(IR)	40	16
8003-22-3	D&C Yellow No. 11	37	16	12001-29-5	Asbestos, chrysotile(IR) + Dimethyl hydrazine	40	16
8003-22-3	D&C Yellow No. 11	42	16	12001-29-5	Asbestos, chrysotile(IR) + Dimethyl hydrazine	40	16
8008-20-6	Navy fuels JP-5	45	16	12001-29-5	Asbestos, chrysotile(SR)	40	16
8013-11-4	Senna (powdered)	39	16	12001-29-5	Asbestos, chrysotile(SR)	40	16
8013-11-4	Senna (powdered)	39	16	12024-21-4	Gallium oxide	52	*
8024-37-1	Turmeric, oleoresin (curcumin)	49	16	12035-72-2	Nickel subsulfide	46	16
8057-49-6	Valerian (Valeriana officinalis L.) root extract	34	5	12172-73-5	Asbestos, amosite	32	4
9000-01-5	Gum Arabic	44	16	12172-73-5	Asbestos, amosite	40	16
9000-30-0	Guar gum	44	16	12172-73-5	Asbestos, amosite	40	16
9000-38-8	Kava kava extract	45	16	12172-73-5	Asbestos, amosite + Dimethyl hydrazine	40	16
9000-40-2	Locust bean gum	45	16	13010-47-4	Lomustine	50	17
9002-18-0	Agar	40	16	13171-21-6	Phosphamidon	46	16
9002-89-5	Polyvinyl alcohol	47	16	@ 13292-46-1	AZT + Rifampin (AIDS Initiative) (Primary CASRN is AZTRIFAMPIN)	37	16
9005-65-6	Polysorbate 80 (glycol)	47	16	13311-84-7	Flutamide	52	*
@ 9007-28-7	Glucosamine Hydrochloride + Chondroitin Sulfate (Primary CASRN is GLUCOSCHONDN)	53	*	13366-73-9	Photodioldrin	46	16
9009-54-5	Polyurethane	50	17	13410-01-0	Sodium selenate	39	16
9012-76-4	Chitosan	35	12	13463-67-7	Titanium dioxide	48	16
10026-24-1	Cobalt sulfate heptahydrate		16	13552-44-8	4,4'-Methylenedianiline dihydrochloride	45	16
10026-24-1	Cobalt sulfate heptahydrate	42	16	13674-84-5	Tris(Chloropropyl)phosphate	34	5
10028-15-6	Ozone	46	16	13674-84-5	Tris(Chloropropyl)phosphate	34	8
10028-15-6	Ozone	46	16	13718-26-8	Sodium Metavanadate	33	5
				13765-19-0	Calcium chromate	49	17

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13909-09-6	Methyl CCNU	50	17	20265-96-7	p-Chloroaniline hydrochloride	41	16
13983-17-0	Wollastonite calcium silicates	50	17	20265-97-8	p-Anisidine hydrochloride	40	16
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	54	*	20265-97-8	Transgenic LEP (p-Anisidine hydrochloride)	55	*
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	39	16	20265-97-8	Transgenic model evaluation (p-Anisidine HCl)	55	*
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	39	16	20325-40-0	3,3'-Dimethoxybenzidine dihydrochloride	43	16
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	48	16	20830-81-3	Daunomycin	49	17
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	33	5	20941-65-5	Ethyl tellurac	44	16
14371-10-9	trans-Cinnamaldehyde	42	16	@ 21087-64-9	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16
14371-10-9	trans-Cinnamaldehyde	52	*	21232-47-3	3,3',4,4'-Tetrachloroazoxybenzene	39	16
14567-73-8	Tremolite	48	16	@ 21416-67-1	ICRF-159 (Primary CASRN is 21416-87-5)	44	16
14807-96-6	Talc	47	16	21416-87-5	ICRF-159	44	16
14808-60-7	Silica, crystalline - quartz	54	*	@ 21725-46-2	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16
14808-60-7	Silica, crystalline - quartz	54	*	21739-91-3	Cytembena	42	16
14808-60-7	Silica, crystalline - quartz	54	*	21850-44-2	Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	32	3
15356-70-4	DL-menthol	45	16	21850-44-2	Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	35	12
15481-70-6	2,6-Toluenediamine dihydrochloride (2,6-diaminotoluene dihydrochloride)	48	16	22398-80-7	Indium phosphide	44	16
15481-70-6	Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	55	*	22839-47-0	Transgenic model evaluation II (Aspartame)	36	16
15481-70-6	Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	55	*	22839-47-0	Transgenic model evaluation II (Aspartame)	36	16
15625-89-5	Trimethylolpropane triacrylate	36	16	22966-79-6	Estradiol mustard	43	16
15625-89-5	Trimethylolpropane triacrylate	36	16	23246-96-0	Riddelliine	39	16
15625-89-5	Trimethylolpropane triacrylate	48	16	23246-96-0	Riddelliine	47	16
15805-73-9	Transgenic LEP (Vinyl carbamate)	55	*	24072-75-1	5,6-Dichloro-2-benzothiazolamine	52	*
@ 15972-60-8	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16	24382-04-5	Malonaldehyde, sodium salt	45	16
16071-86-6	C.I. Direct Brown 95	37	16	25013-15-4	Vinyl toluene	49	16
@ 16561-29-8	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	25152-84-5	2,4-Decadienal	52	*
@ 16561-29-8	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	25152-84-5	2,4-Decadienal	37	16
@ 16561-29-8	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	25265-71-8	Dipropylene glycol	38	16
@ 16561-29-8	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	25265-71-8	Dipropylene glycol	43	16
@ 16561-29-8	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	25637-99-4	1,3,5,7,9,11-Hexabromocyclododecane	33	5
16561-29-8	Tetradecanoyl phorbol acetate (TPA)	54	*	25812-30-0	Peroxisome project (Gemfibrozil)	54	*
16561-29-8	Transgenic LECM (Tetradecanoyl phorbol acetate (TPA))	55	*	25973-55-1	Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol)	33	5
17026-81-2	3-Amino-4-ethoxyacetanilide	40	16	26040-51-7	Bis(2-ethylhexyl) tetrabromophthalate	33	5
17924-92-4	Zearalenone	49	16	26471-62-5	2,4- & 2,6-Toluene diisocyanate	48	16
18107-18-1	Trimethylsilyldiazomethane (TMSD)	34	5	26628-22-8	Sodium azide	47	16
18662-53-8	Nitrilotriacetic acid trisodium monohydrate	46	16	26780-96-1	1,2-Dihydro-2,2,4-trimethylquinoline (polymer)	52	*
18662-53-8	Nitrilotriacetic acid trisodium monohydrate	46	16	27774-13-6	Vanadyl sulfate	34	5
18883-66-4	Streptozotocin	50	17	27882-76-4	Chromium picolinate monohydrate	42	16
19010-66-3	Lead dimethyldithiocarbamate	45	16	28300-74-5	Antimony potassium tartrate		16
				28407-37-6	C.I. Direct Blue 218	37	16
				28407-37-6	C.I. Direct Blue 218	42	16

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CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
29761-21-5	Isodecyl Diphenyl Phosphate	53	*	32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	53	*
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	53	*
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	33	5
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	33229-34-4	HC Blue 2	44	16
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	33286-22-5	QT drugs (diltiazem hydrochloride)	54	*
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	33857-26-0	2,7-Dichlorodibenzo-p-dioxin	43	16
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	34256-82-1	Acetochlor	51	*
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	@ 34885-03-5	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	5
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	34885-03-5	4-Methylcyclohexanemethanol	33	5
@ 30516-87-1	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine (Primary CASRN is AZTDDCCOMB)	51	*	@ 35065-27-1	Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153) (Primary CASRN is TEFBINARYMIX)	47	16
@ 30516-87-1	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative) (Primary CASRN is AZTDDICOMB)	51	*	35065-27-1	Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl)	48	16
@ 30516-87-1	AZT+3TC+NVP combination (Primary CASRN is AZT3TCCOMBO)	41	16	35691-65-7	1,2-Dibromo-2,4-dicyanobutane	52	*
@ 30516-87-1	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDS DRUGSNEO)	35	13	35691-65-7	1,2-Dibromo-2,4-dicyanobutane	52	*
@ 30516-87-1	AZT + Isoniazid (AIDS Initiative) (Primary CASRN is AZTISONIAZID)	37	16	35691-65-7	1,2-Dibromo-2,4-dicyanobutane	37	16
@ 30516-87-1	AZT + Methadone HCl (AIDS) (Primary CASRN is AZTMETHCOMB)	51	*	35691-65-7	1,2-Dibromo-2,4-dicyanobutane	42	16
@ 30516-87-1	AZT + Nitazoxanide (AIDS Initiative) (Primary CASRN is AZT+NITAZOX)	51	*	37319-17-8	Elmiron (sodium pentosanpolysulfate)	43	16
@ 30516-87-1	AZT + Pyrazinamide combination (AIDS Initiative) (Primary CASRN is AZTZINAMIDE)	37	16	37319-17-8	Elmiron (sodium pentosanpolysulfate)	38	16
@ 30516-87-1	AZT + Rifampin (AIDS Initiative) (Primary CASRN is AZTRIFAMPIN)	37	16	37853-59-1	1,2-Bis(2,4,6-tribromophenoxy)ethane	33	5
@ 30516-87-1	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSMX)	51	*	39156-41-7	2,4-Diaminoanisole sulfate	42	16
@ 30516-87-1	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSMX)	51	*	39300-88-4	Tara gum	47	16
30516-87-1	AZT transplacental carcinogenesis study	41	16	41372-08-1	Methyl dopa sesquihydrate	45	16
@ 30516-87-1	Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative) (Primary CASRN is INTAZTCOMB)	44	16	49562-28-9	Fenofibrate	33	5
31508-00-6	Toxic equivalency factor evaluation (PCB 118)	47	16	50471-44-8	Vinclozolin	56	*
@ 31508-00-6	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118) (Primary CASRN is TEFPCBMIX)	47	16	50647-08-0	Ginseng	44	16
@ 32534-81-9	BDE Toxicogenomics Study (TGMX) (Primary CASRN is TGMXBDECLASS)	32	2	50647-08-0	Ginseng	33	5
32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	46	16	50679-08-8	QT drugs (terfenadine)	54	*
32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32	3	50892-23-4	Peroxisome project (WY-14643)	39	16
32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32	2	50892-23-4	Transgenic model evaluation (WY-14643)	56	*
				50892-23-4	Transgenic model evaluation (WY-14643)	56	*
				50892-23-4	Wyeth 14,643 (WY)	35	12
				50892-23-4	Wyeth 14,643 (WY)	56	*
				@ 51181-40-9	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	5
				@ 51218-45-2	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16
				51264-14-3	Amsacrine	49	17
				51481-10-8	Deoxynivalenol	32	2
				51730-94-0	Dipropylene glycol phenyl ether	32	4
				51936-55-1	Hexachlorocyclopentadienyl-dibromocyclooctane	33	5
				54150-69-5	2,4-Dimethoxyaniline hydrochloride	43	16

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54464-57-2	Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)	38	16	60348-60-9	2,2',4,4',5-Pentabromodiphenyl Ether	32	2
55566-30-8	Tetrakis(hydroxymethyl)phosphonium sulfate	48	16	61702-44-1	2-Chloro-p-phenylenediamine sulfate	42	16
55589-62-3	Transgenic Model Evaluation II (Acesulfame Potassium)	36	16	@ 63449-39-8	Chlorinated paraffins: C12, 60% chlorine (Primary CASRN is 108171-26-2)	41	16
@ 55981-09-4	AZT + Nitazoxanide (AIDS Initiative) (Primary CASRN is AZT+NITAZOX)	51	*	@ 63449-39-8	Chlorinated paraffins: C23, 43% chlorine (Primary CASRN is 108171-27-3)	41	16
56802-99-4	Chlorinated trisodium phosphate	41	16	@ 64091-91-4	Ozone/NNK (Primary CASRN is OZONNNKCOMB)	46	16
56803-37-3	tert-Butylphenyl Diphenyl Phosphate	52	*	64742-88-7	Stoddard solvent (type 11C)	47	16
56803-37-3	tert-Butylphenyl Diphenyl Phosphate	32	2	65039-09-0	Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride	33	5
57018-52-7	Propylene glycol mono-t-butyl ether	47	16	@ 65039-09-0	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*
57117-31-4	Toxic equivalency factor evaluation (PECDF (Pentachlorodibenzofuran))	47	16	65646-68-6	Retinoid project 2 (4-(Hydroxyphenyl)retinamide)	54	*
@ 57117-31-4	TEF transgenics (PCB 126 / PECDF mixture) (Primary CASRN is TEFTGMIXTURE)	54	*	@ 65646-68-6	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*
57117-31-4	TEF transgenics (PECDF)	54	*	65646-68-6	Retinoid project 4 (4-(Hydroxyphenyl)retinamide)	54	*
@ 57117-31-4	Toxic equivalency factor evaluation (Dioxin mixture) (Primary CASRN is TEFDIOXINMIX)	48	16	65646-68-6	Retinoid project 5 (4-(Hydroxyphenyl)retinamide)	54	*
57465-28-8	3,3,4,4,5-Pentachlorobiphenyl (PCB 126)	53	*	65646-68-6	Retinoid project 6 (4-HPR)	54	*
@ 57465-28-8	Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153) (Primary CASRN is TEFBINARYMIX)	47	16	65666-07-1	Prevention 2 (Silymarin)	54	*
@ 57465-28-8	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118) (Primary CASRN is TEFPCBMIX)	47	16	@ 65666-07-1	Prevention 2 (Silymarin + melatonin) (Primary CASRN is SILYMARN+MEL)	54	*
57465-28-8	TEF transgenics (PCB 126)	54	*	67774-32-7	Polybrominated biphenyl mixture (Firemaster FF-1)	47	16
@ 57465-28-8	TEF transgenics (PCB 126 / PECDF mixture) (Primary CASRN is TEFTGMIXTURE)	54	*	67774-32-7	Polybrominated biphenyl mixture (Firemaster FF-1)	47	16
@ 57465-28-8	Toxic equivalency factor evaluation (Dioxin mixture) (Primary CASRN is TEFDIOXINMIX)	48	16	67892-26-6	Stachybotrys chartarum	32	3
57465-28-8	Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl)	48	16	68359-37-5	Cyfluthrin	52	*
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	44	16	68603-42-9	Coconut oil acid diethanolamine condensate	42	16
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	44	16	68603-42-9	Transgenic LECM (Coconut oil acid diethanolamine condensate)	55	*
59820-43-8	HC Yellow 4	44	16	68603-42-9	Transgenic LECM (Coconut oil acid diethanolamine condensate)	55	*
59865-13-3	Transgenic LEP (Cyclosporin A)	55	*	@ 68631-49-2	BDE Toxicogenomics Study (TGMX) (Primary CASRN is TGMXBDECLASS)	32	2
59865-13-3	Transgenic model evaluation (Cyclosporin A)	55	*	68631-49-2	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	32	2
59865-13-3	Transgenic model evaluation (Cyclosporin A)	55	*	68937-41-7	Isopropylated Phenol Phosphate	33	5
@ 60348-60-9	BDE Toxicogenomics Study (TGMX) (Primary CASRN is TGMXBDECLASS)	32	2	68937-41-7	Isopropylated Phenol Phosphate	53	*
				@ 69655-05-6	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative) (Primary CASRN is AZTDDICOMB)	51	*
				70321-86-7	Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol)	33	5
				71133-14-7	Water disinfection byproducts (Bromodichloroacetic Acid)	34	5
				71133-14-7	Water disinfection byproducts (Bromodichloroacetic Acid)	56	*

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71133-14-7	Water disinfection byproducts (Bromodichloroacetic Acid)	49	16	121552-61-2	Cyprodinil	52	*
74764-40-2	QT drugs (bepiridil hydrochloride)	54	*	125533-88-2	Retinoid project 6 (Arotinoid)	54	*
75330-75-5	QT drugs (Lovastatin)	54	*	125533-88-2	Retinoid project 3 (Arotinoid)	54	*
76231-76-0	alpha/beta Thujone mixture	33	5	125533-88-2	Retinoid project 5 (Arotinoid)	54	*
76231-76-0	alpha/beta Thujone mixture	39	16	@ 129618-40-2	AZT+3TC+NVP combination (Primary CASRN is AZT3TCCOMBO)	41	16
76231-76-0	alpha/beta Thujone mixture	48	16	@ 129618-40-2	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	35	13
76543-88-9	Interferon A (AIDS Initiative)	45	16	@ 134678-17-4	AZT+3TC+NVP combination (Primary CASRN is AZT3TCCOMBO)	41	16
77439-76-0	3-Chloro-4-(dichloromethyl)-5- hydroxy-2(5H)-furanone(MX)	52	*	@ 134678-17-4	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	35	13
79794-75-5	QT drugs (Loratadine)	54	*	143545-90-8	Cylindrospermopsin	32	3
79917-90-1	Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride	34	6	@ 154598-52-4	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	35	13
@ 79917-90-1	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*	@ 159989-65-8	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	35	13
84268-23-5	Phenolic Benzotriazoles (3-(2H- Benzotriazol-2-yl)-5-(1,1- dimethylethyl)-4- hydroxybenzenepropanoic acid, octyl ester)	33	5	173584-44-6	Indoxacarb	53	*
84603-60-1	Goldenseal extract	33	5	183658-27-7	2-ethylhexyl-2,3,4,5- tetrabromobenzoate	33	5
84604-20-6	Milk thistle extract	45	16	299184-76-2	Dong quai (Angelica sinensis root extract)	32	2
84604-20-6	Milk thistle extract	33	5	479500-35-1	Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride	33	5
84776-26-1	Black Cohosh	51	*	@ 479500-35-1	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*
84776-26-1	Black Cohosh	34	8	@ 103-90-2	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
84776-26-1	Black Cohosh	51	*	@ 103426-96-6	PCN 66/67 comparison study (Primary CASRN is PCNCOMPARISN)	35	14
84776-26-1	Black Cohosh	51	*	@ 103426-97-7	PCN 66/67 comparison study (Primary CASRN is PCNCOMPARISN)	35	14
84852-53-9	1,2-bis(pentabromophenyl)ethane	33	5	@ 1162-65-8	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
85509-19-9	Flusilazole	52	*	@ 1746-01-6	PCN 66/67 comparison study (Primary CASRN is PCNCOMPARISN)	35	14
90045-23-1	Garcinia Cambogia Extract	33	5	@ 50-81-7	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
90045-36-6	Ginkgo biloba extract	44	16	@ 69-72-7	alpha/beta Hydroxy acids (glycolic acid, salicylic acid) (Primary CASRN is HYDROXGLYSAL)	40	16
90045-36-6	Ginkgo biloba extract	33	5	@ 73-22-3	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
96180-79-9	Microcystin-LA (TGMX)	53	*				
@ 96180-79-9	Microcystin mixture (TGMX) (Primary CASRN is MICROCYSTNMX)	53	*				
@ 98955-27-2	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	5				
99685-96-8	Nanoscale Material (Fullerene C60 18 microns)	32	3				
99685-96-8	Nanoscale material (Fullerene-C60 1 micron)	35	12				
99685-96-8	Nanoscale Material (Fullerene C60 200 nanometers)	32	3				
99685-96-8	Nanoscale material (Fullerene-C60 50 nanometers)	35	12				
101043-37-2	Microcystin-LR (TGMX)	53	*				
@ 101043-37-2	Microcystin mixture (TGMX) (Primary CASRN is MICROCYSTNMX)	53	*				
108171-26-2	Chlorinated paraffins: C12, 60% chlorine	41	16				
108171-27-3	Chlorinated paraffins: C23, 43% chlorine	41	16				
113136-77-9	Cyclanilide	52	*				
116355-83-0	Fumonisin B1		16				
116355-83-0	Fumonisin B1	44	16				
119168-77-3	Tebufenpyrad	54	*				

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CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
@ 79-14-1	alpha/beta Hydroxy acids (glycolic acid, salicylic acid) (Primary CASRN is HYDROXYGLYSAL)	40	16	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (Drometrizole) (Primary CASRN is 2440-22-4)	33	5
@ 81-49-2	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (3- (2H-Benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4- hydroxybenzenepropanoic acid, octyl ester) (Primary CASRN is 84268-23-5)	33	5
AAV2HAQP1	Serotype 2 Adeno-associated Viral Vector hAQP1 (rAAV2hAQP1)	35	12	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (Octrizole) (Primary CASRN is 3147-75-9)	33	5
AAVIRAAVHEPO	Serotype 2 Adeno-associated Viral Vector rAAV2rapahEpo	35	14	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2-(2H- Benzotriazol-2-yl)phenol) (Primary CASRN is 10096-91-0)	33	5
AAVIRVECEPO	Adeno-associated viral vector (hEPO)	51	*	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2-(2H- benzotriazol-2-yl)-4,6-bis(1,1- dimethylpropyl)phenol) (Primary CASRN is 25973-55-1)	33	5
ADNVIRVECAQP	Adenoviral Vector (AdhAQP1)	51	*	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2-(2H- benzotriazol-2-yl)-4,6-bis(1,1- dimethylpropyl)phenol) (Primary CASRN is 70321-86-7)	33	5
ADNVIRVECHGH	Adenoviral vector (hGH)	51	*	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2-(5- Chloro-2H-benzotriazol-2-yl)-4,6- bis(1,1-dimethylethyl)phenol) (Primary CASRN is 3864-99-1)	33	5
AIDSDRUGSNEO	AZT/Drug Combinations Transplacental/Neonatal Study	35	13	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (Bumetrizole) (Primary CASRN is 3896-11-5)	33	5
AIDSTHERAPEU	AZT/Drug Combinations Transplacental Carcinogenesis Study	41	16	BLASTINGSAND	Abrasive Blasting Agents: Blasting Sand	35	14
ALOEPHOTOTOX	Aloe phototoxicity studies	40	16	CARDIOGENEVL	Cardio Transmitter Gene Evaluation	52	*
ALOEVFILTER	Aloe vera charcoal filtered whole leaf extract	40	16	CELLPRADCDMA	Cell Phone Radiation: CDMA	34	10
ALOEVLEAFEXT	Aloe vera whole leaf extract (native)	40	16	CELLPRADGSM	Cell Phone Radiation: GSM	34	10
ALOEVLEAFEXT	Aloe vera whole leaf extract (native)	40	16	CELLULOSEINS	Cellulose insulation	37	16
ALTERNARIA	Alternaria alternata mold	32	3	CHEMPIXH2O	Chemical mixture - drinking water contaminants	37	16
AMINOPYRCOMP	Comparison study of Aminopyridines/Troponin levels	51	*	CHLORAMINEMX	Chloraminated water	41	16
ANTIOXCOMBO2	Arsenic antioxidant mixture	51	*	CHLORWATERMX	Chlorinated water	41	16
ANTIOXCOMBO2	Arsenic antioxidant mixture	51	*	CIMSTAR3800	Metal Working Fluids: CIMSTAR 3800	45	16
@ ANTIQXMODEL	Antioxidant model (TRAMP) - Epigallocatechin gallate (Primary CASRN is 989-51-5)	51	*	COALSLAG	Abrasive blasting agents (coal slag)	51	*
ASPERGILLUSV	Aspergillus versicolor mold	34	6	CRUDEMCHM	Crude MCHM	33	5
AZT+NITAZOX	AZT + Nitazoxanide (AIDS Initiative)	51	*	CRUMBRUBBERVARIOUS	Crude rubber various	33	5
AZT3TCCOMBO	AZT+3TC+NVP combination	41	16	CRUSHEDGLASS	Abrasive blasting agents (crushed glass)	51	*
AZTDDCCOMB	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine	51	*	DAMPBLDGMOLD	Damp Building Mold Mixture	32	3
AZTDDICOMB	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative)	51	*	DIESELFUEL	Diesel fuel marine	43	16
AZTISONIAZID	AZT + Isoniazid (AIDS Initiative)	37	16	DIET2000	NTP-2000 diet	53	*
AZTMETHCOMB	AZT + Methadone HCl (AIDS)	51	*	DIET88+EGMBE	NTP-88 diet study (EGMBE)	53	*
AZTRIFAMPIN	AZT + Rifampin (AIDS Initiative)	37	16	DIET88+EGMEE	NTP-88 diet study (EGMEE)	53	*
AZTTMPSMX	AZT + TMP/SMX (mixture) combination	51	*	DIET88+EGMME	NTP-88 diet study (EGMME)	53	*
AZTTMPSMX	AZT + TMP/SMX (mixture) combination	51	*	DIET88+MNITR	NTP-88 diet study (m-Nitrotoluene)	53	*
AZTZINAMIDE	AZT + Pyrazinamide combination (AIDS Initiative)	37	16	DIET88+ONITR	NTP-88 diet study (o-Nitrotoluene)	53	*
@ BDEMIXTURE	BDE Toxicogenomics Study (TGMX) (Primary CASRN is TGMXBDECLASS)	32	2	DIET88+PNITR	NTP-88 diet study (p-Nitrotoluene)	53	*
@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2- (2H-Benzotriazol-2-yl)-4-tert- butylphenol) (Primary CASRN is 3147-76-0)	33	5	DIET90	NTP 90 diet study	50	17
				DIET9192	NTP 91/92 diet study	50	17

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CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
DIETEVAL	Diet Evaluation Study	52	*	HEMATITESPEC	Abrasive Blasting Agents: Specular Hematite	35	14
DIETH/DIMETH	Diethyl phthalate/dimethyl phthalate	43	16	HYDROXYGLYSAL	alpha/beta Hydroxy acids (glycolic acid, salicylic acid)	40	16
ECOLI_LPS	Lipopolysaccharides from Escherichia coli	53	*	INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16
@ EFSSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	34	8	INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16
@ EFSSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	32	4	INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16
ELECTROMAG	Magnetic fields (EMF)	45	16	INSERTMUT	Insertional mutagenesis (LTR/SIN vectors)	53	*
ELECTROMAG	Magnetic fields (EMF)	53	*	INSERTMUT2	Insertional mutagenesis II (SIN vector)	53	*
ELECTROMAG	Magnetic fields (EMF)	38	16	INSERTMUT3	Insertional Mutagenesis - Definitive Vector Study	34	8
@ ELECTROMAG	Magnetic fields + DMBA initiation promotion (Primary CASRN is EMF+DMBA)	38	16	INSERTMUT3	Insertional Mutagenesis - Definitive Vector Study	32	4
EMF+DMBA	Magnetic fields + DMBA initiation promotion	38	16	INSERTMUTRAD	Insertional mutagenesis (Radiation Levels)	53	*
@ EMTDP-33	Diesel fuel marine (Primary CASRN is DIESELFUEL)	43	16	INTAZTCOMB	Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative)	44	16
@ EMTDP-71	Chlorinated paraffins: C23, 43% chlorine (Primary CASRN is 108171-27-3)	41	16	INTDDCCOMB	Interferon AD + ddC (AIDS Initiative)	53	*
EMTDP-74	Selsun	47	16	INTERFERONAD	Interferon AD (AIDS Initiative)	44	16
EMTDP-75	Black newsprint ink	37	16	@ INTERFERONAD	Interferon AD + 3'-azido-3'- deoxythymidine (AIDS Initiative) (Primary CASRN is INTAZTCOMB)	44	16
EMTDP-76	3-Methyl-6-methoxy-2-amino- benzothiazolium chloride	53	*	@ INTERFERONAD	Interferon AD + ddC (AIDS Initiative) (Primary CASRN is INTDDCCOMB)	53	*
EMTDP-76	3-Methyl-6-methoxy-2-amino- benzothiazolium chloride	53	*	IONICLIQUIDS	Ionic liquid Toxicity	53	*
@ EMTDP-86	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine (Primary CASRN is AZTDDCCOMB)	51	*	ISOFLAVCONCN	Prevention 6 (isoflavone concentrate)	54	*
@ EMTDP-92	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	39	16	ISOFLAVSOYPT	Prevention 6 (low isoflavone soy protein powder)	54	*
@ EMTDP-93	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	39	16	LA2007	Libby Amphibole 2007	32	4
@ EMTDP-99	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	39	16	LEADORES	Lead ores	53	*
@ EMTDP-99	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	49	16	L-MWNT-1020	1020 Long Multiwalled Carbon Nanotube	35	13
EPHEDCOMBO	Ephedrine + caffeine combination	52	*	L-MWNT-1020	1020 Long Multiwalled Carbon Nanotube	34	7
EPHEDCOMBO	Ephedrine + caffeine combination	52	*	@ LTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	34	8
FEEDRESTRICT	Feed restriction studies	44	16	@ LTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	32	4
FLAXSEED+MEL	Prevention 1 (Flaxseed oil + melatonin)	54	*	MEL+CURCUMIN	Prevention 4 (Melatonin + curcumin)	54	*
GARNET	Abrasive blasting agents (garnet)	51	*	MEL+INDOLCAR	Prevention 4 (Melatonin + indole-3-carbinol)	54	*
GLUCOSCHONDN	Glucosamine Hydrochloride + Chondroitin Sulfate	53	*	MELCYANCOMB	Melamine + Cyanuric Acid combination	33	5
GLYCINEBENZA	Benzyl acetate + glycine combination study	51	*	MELCYANCOMB	Melamine + Cyanuric Acid combination	53	*
GOLDENSEALRT	Goldenseal root powder	38	16	MELCYANCOMB	Melamine + Cyanuric Acid combination	33	5
GOLDENSEALRT	Goldenseal root powder	44	16	MICROBIOME	Microbiome	33	5
GREENTEAEXTR	Green Tea Extract	33	5	MICROCYSTNMX	Microcystin mixture (TGMX)	53	*
GREENTEAEXTR	Green Tea Extract	44	16	MOUSEAGE	Mouse ageing study	50	17
GUMGUGGULEXT	Gum Guggul Extract	53	*				
H2ODAMAGEMLD	Water Damaged Building Mold Mixture	32	3				

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CASRN	CHEMICAL NAME	PAGE	REF		CASRN	CHEMICAL NAME	PAGE	REF	
MOUSEPHENO1	Aging Cohort Study: 129/SvlmJ mouse	34	10	@	SINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	34	8	
MOUSEPHENO10	Aging Cohort Study: NZO/HiLtJ mouse	34	10	@	SINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	32	4	
MOUSEPHENO2	Aging Cohort Study: A/J mouse	34	10		STACHYSTRN1	Stachybotrys chartarum strain 1 mold (macrocyclic trichothecene chemotype)	32	3	
MOUSEPHENO3	Aging Cohort Study: C3H/HeJ mouse	34	10		STACHYSTRN2	Stachybotrys chartarum strain 2 mold (atranone chemotype)	32	3	
MOUSEPHENO4	Aging Cohort Study: C57/BL/6J mouse	34	10		STEELWELDFUM	Welding fumes	56	*	
MOUSEPHENO5	Aging Cohort Study: CAST/EiJ mouse	34	10		SYNTILO1023	Metal working fluids (Syntilo 1023)	53	*	
MOUSEPHENO6	Aging Cohort Study: B6C3F1J mouse	34	10		TEFBINARYMIX	Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153)	47	16	
MOUSEPHENO7	Aging Cohort Study: NOD.B10Sn-H2(b)/J	34	10		TEFDIOXINMIX	Toxic equivalency factor evaluation (Dioxin mixture)	48	16	
MOUSEPHENO8	Aging Cohort Study: PWK/PhJ mouse	34	10		TEFPCBMIX	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118)	47	16	
MOUSEPHENO9	Aging Cohort Study: WSB/EIJ mouse	34	10		TEFTGMIXTURE	TEF transgenics (PCB 126 / PECDF mixture)	54	*	
@ NAOSPINEXTR	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	@	TGMODELEVAL	Transgenic Model Evaluation II (Acesulfame Potassium) (Primary CASRN is 55589-62-3)	36	16	
@ NAOSPINEXTR	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*		TGMXBDECLASS	BDE Toxicogenomics Study (TGMX)	32	2	
NAOSPINEXTR	Antioxidant model (TRAMP) - NAO (spinach extract)	51	*		TGMXFLAVCLAS	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX)	55	*	
NCTSTANDARD	NCT/DETR standardization experiment (APAP & AMAP)	53	*		TGMXRALVFEEED	Rat feed study (TGMX rat liver evaluation)	54	*	
@ NTPMOCKVEC	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	34	8	@	THUJONEMIXAB	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	33	5	
@ NTPMOCKVEC	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	32	4	@	THUJONEMIXAB	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	39	16	
OZONNNKCOMB	Ozone/NNK	46	16	@	THUJONEMIXAB	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	48	16	
PBCONTAMSOIL	Lead contaminated soil	53	*	@	TMPSMXMIXNTP	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPSMX)	51	*	
PCNCOMPARISN	PCN 66/67 comparison study	35	14	@	TMPSMXMIXNTP	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPSMX)	51	*	
PESTFERTMIX2	Pesticide/fertilizer contamination--mixture 2	39	16		TRIMSC210	Metal working fluids (Trim SC210)	53	*	
PESTFERTMIX3	Pesticide/fertilizer contamination--mixture 3	39	16		TRIMVX	Metal Working Fluids: TRIM® VX	45	16	
PREGRATECOMP	Pregnancy Rate Comparison Study	54	*	@	UORFLTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	34	8	
PREVENTION10	Prevention 10 (Soy isoflavone concentrate)	54	*	@	UORFLTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	32	4	
PREVENTION7	Prevention 7 (feed controls)	54	*		URETHCOMB	Urethane + ethanol (combination)	39	16	
@ PSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	34	8		URETHCOMB	Urethane + ethanol (combination)	49	16	
@ PSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	32	4		USNEALICHEN	Usnea Lichen	34	6	
QUANTUMDOTS	Nanoscale material (Quantum dots)	53	*						
RAV5SCTLA4IG	Serotype 5 Adeno-associated Viral Vector (rAAV5SCTLA4:Ig)	35	14						
RETINOID1	Retinoid project 1	54	*						
RETROVIRVECT	Retroviral vectors	54	*						
RETROVIRVECT	Retroviral vectors	54	*						
RETROVIRVECT	Retroviral vectors	54	*						
RETROVIRVECT	Retroviral vectors	54	*						
SANTRIMER2	Styrene-acrylonitrile trimer	47	16						
SILYMARN+MEL	Prevention 2 (Silymarin + melatonin)	54	*						

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