

Management Status Report
Produced from NTP Chemtrack System
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 <https://ntp.niehs.nih.gov/>. The link to NTP testing information and study results, including abstracts, is [/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) .

Contents	Number of Chemicals
Ref No. 1 Chemicals Selected for General Toxicology Study by the NTP.....	2
Ref No. 2 Chemicals with Project Leader Assigned/Study in Design.....	8
Ref No. 3 Chemicals Approved for Toxicology/Carcinogenesis Study.....	9
Ref No. 4 Chemicals Assigned to Laboratory for Toxicology/Carcinogenesis Study.....	6
Ref No. 5 Short-Term Exposure Studies in Progress.....	11
Ref No. 6 Short-Term Studies Completed: In Review for Further Evaluation.....	35
Ref No. 7 Long-Term Exposure Studies in Progress.....	2
Ref No. 8 Long-Term Exposure Studies: Laboratory Study Report in Preparation.....	6
Ref No. 9 (Note: Reference 9 Combined with Reference 10).....	0
Ref No. 10 Long-Term Exposure Studies: Pathology Quality Assessment in Progress.....	3
Ref No. 11 Long-Term Exposure Studies: Pathology Working Group Scheduled.....	10
Ref No. 12 Short-Term Exposure Studies Scheduled for Peer Review.....	2
Ref No. 13 Long-Term Exposure Studies Scheduled for Peer Review.....	1
Ref No. 14 Post Peer Review Technical Reports in Progress.....	5
Ref No. 15 Galley or Camera Copy Technical Reports in Progress.....	0
Ref No. 16 Printed Long-Term and Short-Term Study Reports.....	885
Ref No. 17 Long-Term Exposure Studies for Which Technical Reports Were Not Prepared.....	61
Appendix Short-Term Studies for Which Toxicity Technical Reports Were Not Prepared.....	358

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



Alphabetical Index of Chemicals with Reference Location				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
				Air-Lung Interface Model	AIRLUNGINT	32	4
Abrasive Blasting Agents: Blasting Sand	BLASTINGSAND	34	14	@ Aizen Malachite Green (Listed As: Malachite green)	569-64-2	44	16
Abrasive blasting agents (coal slag)	COALSLAG	50	*	@ Aizen Malachite Green (Listed As: Malachite green)	569-64-2	37	16
Abrasive blasting agents (crushed glass)	CRUSHEDGLASS	51	*	Aldicarb	116-06-3	39	16
Abrasive blasting agents (garnet)	GARNET	51	*	Aldrin	309-00-2	39	16
Abrasive Blasting Agents: Specular Hematite	HEMATITESPEC	34	14	Allyl acetate	591-87-7	35	16
@ Acesulfame Potassium Transgenic Model Evaluation II (Listed As: Transgenic Model Evaluation II (Acesulfame Potassium))	55589-62-3	35	16	Allyl alcohol	107-18-6	35	16
Acetaminophen (4-hydroxyacetanilide)	103-90-2	32	2	Allyl bromide	106-95-6	35	16
Acetaminophen (4-hydroxyacetanilide)	103-90-2	39	16	Allyl bromide	106-95-6	51	*
Acetaminophen (4-hydroxyacetanilide)	103-90-2	51	*	Allyl bromide	106-95-6	35	16
Acetochlor	34256-82-1	51	*	Allyl chloride	107-05-1	39	16
Acetohexamide	968-81-0	39	16	Allyl glycidyl ether	106-92-3	39	16
Acetoin	513-86-0	35	16	Allyl isothiocyanate	57-06-7	39	16
Acetone	67-64-1	35	16	Allyl isovalerate	2835-39-4	39	16
Acetonitrile	75-05-8	51	*	Aloe-emodin	481-72-1	39	16
Acetonitrile	75-05-8	39	16	Aloe phototoxicity studies	ALOEPHOTOTOX	39	16
Acrolein	107-02-8	35	16	Aloe vera charcoal filtered whole leaf extract	ALOEVFILTER	39	16
Acronycine	7008-42-6	39	16	Aloe vera gel	8001-97-6	39	16
Acrylamide	79-06-1	33	6	Aloe vera whole leaf extract (native)	ALOEVLEAFEXT	39	16
Acrylamide	79-06-1	39	16	Aloe vera whole leaf extract (native)	ALOEVLEAFEXT	39	16
Acrylamide	79-06-1	51	*	Aloin	1415-73-2	51	*
@ Acryl Brilliant Green (Listed As: Malachite green)	569-64-2	44	16	alpha/beta Hydroxy acids (glycolic acid, salicylic acid)	HYDROXGLYSAL	39	16
@ Acryl Brilliant Green (Listed As: Malachite green)	569-64-2	37	16	alpha-Pinene	80-56-8	35	16
Acrylonitrile	107-13-1	39	16	alpha-Pinene	80-56-8	33	8
Actinomycin D	50-76-0	49	17	Alternaria alternata mold	ALTERNARIA	32	3
Adeno-associated viral vector (hEPO)	AAVIRVECEPO	51	*	Ametryn	834-12-8	51	*
Adenoviral vector (hGH)	ADNVIRVECHGH	51	*	9-Aminoacridine hydrochloride	134-50-9	51	*
Adenoviral Vector (AdhAQP1)	ADNVIRVECAQP	51	*	9-Aminoacridine hydrochloride	134-50-9	51	*
Aflatoxin B1 (TGMX)	1162-65-8	32	5	2-Aminoanthraquinone	117-79-3	39	16
Agar	9002-18-0	39	16	5-Amino-o-cresol	2835-95-2	35	16
Agaridine	2757-90-6	49	17	1-Amino-2,4-dibromoanthraquinone	81-49-2	39	16
Aging Cohort Study: 12951/SvlmJ mouse	MOUSEPHENO1	34	11	3-Amino-4-ethoxyacetanilide	17026-81-2	39	16
Aging Cohort Study: B6C3F1J mouse	MOUSEPHENO6	34	11	3-Amino-9-ethylcarbazole	132-32-1	49	17
Aging Cohort Study: C3H/HeJ mouse	MOUSEPHENO3	34	11	3-Amino-9-ethylcarbazole HCl	6109-97-3	39	16
Aging Cohort Study: C57/BL/6J mouse	MOUSEPHENO4	34	11	1-Amino-2-methylanthraquinone	82-28-0	39	16
Aging Cohort Study: CAST/EiJ mouse	MOUSEPHENO5	34	11	2-Amino-4-nitrophenol	99-57-0	39	16
Aging Cohort Study: NZO/HiLtJ mouse	MOUSEPHENO10	34	11	2-Amino-5-nitrophenol	121-88-0	39	16
Aging Cohort Study: PWK/PhJ mouse	MOUSEPHENO8	34	11	4-Amino-2-nitrophenol	119-34-6	39	16
Aging Cohort Study: WSB/EIJ mouse	MOUSEPHENO9	34	11	2-Amino-5-nitrothiazole	121-66-4	39	16
Aging Cohort Study: A/J mouse	MOUSEPHENO2	34	11	2-(4-Aminophenyl)-6-methyl-7- benzothiazole sulfonic acid	130-17-6	51	*
Aging Cohort Study: NOD. B10Sn-H2(b)/J	MOUSEPHENO7	34	11	3-Aminopyridine	462-08-8	51	*
				2-Aminopyridine	504-29-0	51	*
				4-Aminopyridine	504-24-5	51	*
				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

@ 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
@ AN	107-13-1	39	16	5-Azacytidine	320-67-2	40	16
(Listed As: Acrylonitrile)				Azathioprine	446-86-6	49	17
Androstenedione	63-05-8	51	*	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
Androstenedione	63-05-8	51	*	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
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	569-64-2	44	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
(Listed As: Malachite green)				3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
@ Aniline Green	569-64-2	37	16	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
(Listed As: Malachite green)				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	20265-97-8	55	*	3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
Transgenic model evaluation				3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
(Listed As: Transgenic model				3'-Azido-3'-deoxythymidine (AIDS)	30516-87-1	40	16
evaluation (p-Anisidine HCl))				3'-Azido-3'-deoxythymidine and	AZTDDCCOMB	51	*
o-Anisidine hydrochloride	134-29-2	40	16	2',3'-Dideoxycytidine			
p-Anisidine hydrochloride	20265-97-8	40	16	@ 3'-Azido-3'-deoxythymidine/2',3'-	AZTDDCCOMB	51	*
o-Anthranilic acid	118-92-3	40	16	Dideoxycytidine (AIDS initiative)			
Anthraquinone	84-65-1	40	16	(Listed As: 3'-Azido-3'-			
Antimony potassium tartrate	28300-74-5		16	deoxythymidine and 2',3'-			
Antimony Trioxide	1309-64-4	40	16	Dideoxycytidine)			
Arsenic antioxidant mixture	ANTIOXCOMBO2	51	*	3'-Azido-3'-deoxythymidine	AZTDDICOMB	51	*
Arsenic antioxidant mixture	ANTIOXCOMBO2	51	*	and 2',3'-Dideoxyinosine (AIDS			
Antioxidant model (TRAMP) -	616-91-1	51	*	initiative)			
N-acetylcysteine				Azinphosmethyl	86-50-0	40	16
Antioxidant model (TRAMP) -	989-51-5	51	*	Azobenzene	103-33-3	40	16
Epigallocatechin gallate				Azodicarbonamide	123-77-3	51	*
Antioxidant model (TRAMP) - NAO	NAOSPINEXTR	51	*	AZT+3TC+NVP combination	AZT3TCCOMBO	40	16
(spinach extract)				@ AZT (AIDS initiative)	30516-87-1	40	16
L-Arginine Glutamate	4320-30-3	49	17	(Listed As: 3'-Azido-3'-			
Aroclor 1254	11097-69-1	40	16	deoxythymidine (AIDS))			
@ Arotonoid (Retinoid project 6)	125533-88-2	54	*	@ AZT (AIDS initiative)	30516-87-1	40	16
(Listed As: Retinoid project 6				(Listed As: 3'-Azido-3'-			
(Arotinoid))				deoxythymidine (AIDS))			
Arsine	7784-42-1	51	*	@ AZT (AIDS initiative)	30516-87-1	40	16
Asbestos, amosite	12172-73-5	40	16	(Listed As: 3'-Azido-3'-			
Asbestos, amosite	12172-73-5	40	16	deoxythymidine (AIDS))			
Asbestos, amosite + Dimethyl	12172-73-5	40	16	@ AZT (AIDS initiative)	30516-87-1	40	16
hydrazine				(Listed As: 3'-Azido-3'-			
Asbestos, chrysotile(IR)	12001-29-5	40	16	deoxythymidine (AIDS))			
Asbestos, chrysotile(IR)	12001-29-5	40	16	@ AZT (AIDS initiative)	30516-87-1	40	16
Asbestos, chrysotile(IR)	12001-29-5	40	16	(Listed As: 3'-Azido-3'-			
Asbestos, chrysotile(IR) +	12001-29-5	40	16	deoxythymidine (AIDS))			
Dimethyl hydrazine				@ AZT (AIDS initiative)	30516-87-1	40	16
Asbestos, chrysotile(IR) +	12001-29-5	40	16	(Listed As: 3'-Azido-3'-			
Dimethyl hydrazine				deoxythymidine (AIDS))			
Asbestos, chrysotile(SR)	12001-29-5	40	16	@ AZT (AIDS initiative)	30516-87-1	40	16
Asbestos, chrysotile(SR)	12001-29-5	40	16	(Listed As: 3'-Azido-3'-			
Asbestos, crocidolite	12001-28-4	40	16	deoxythymidine (AIDS))			
L-Ascorbic acid	50-81-7	40	16	@ AZT (AIDS initiative)	30516-87-1	40	16
@ Aspartame (transgenic model	22839-47-0	35	16	(Listed As: 3'-Azido-3'-			
evaluation II)				deoxythymidine (AIDS))			
(Listed As: Transgenic model				@ AZT (AIDS initiative)	30516-87-1	40	16
evaluation II (Aspartame))				(Listed As: 3'-Azido-3'-			
@ Aspartame (transgenic model	22839-47-0	35	16	deoxythymidine (AIDS))			
evaluation II)				@ AZT (AIDS initiative)	30516-87-1	40	16
(Listed As: Transgenic model				(Listed As: 3'-Azido-3'-			
evaluation II (Aspartame))				deoxythymidine (AIDS))			
Aspergillus fumigatus mold	ASPERGILLUS	33	6				
Aspirin, phenacetin, and caffeine	8003-03-0	40	16				

@ 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
@ AZT + DDI (AIDS initiative) (Listed As: 3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative))	AZTDDICOMB	51	*	Benzyl acetate	140-11-4	40	16
AZT/Drug Combinations Transplacental/Neonatal Study	AIDSDRUGSNEO	51	*	Benzyl acetate	140-11-4	40	16
AZT/Drug Combinations Transplacental Carcinogenesis Study	AIDSTHERAPEU	40	16	Benzyl acetate + glycine combination study	GLYCINEBENZA	51	*
AZT + Isoniazid (AIDS Initiative)	AZTISONIAZID	35	16	Benzyl alcohol	100-51-6	40	16
AZT + Methadone HCl (AIDS)	AZTMETHCOMB	51	*	Benzyl chloride	100-44-7	49	17
AZT + Nitazoxanide (AIDS Initiative)	AZT+NITAZOX	51	*	o-Benzyl-p-chlorophenol	120-32-1	35	16
AZT + Pyrazinamide combination (AIDS Initiative)	AZTZINAMIDE	35	16	o-Benzyl-p-chlorophenol	120-32-1	40	16
AZT + Rifampin (AIDS Initiative)	AZTRIFAMPIN	35	16	o-Benzyl-p-chlorophenol	120-32-1	40	16
AZT + TMP/SMX (mixture) combination	AZTTMPSMX	51	*	Benzyltrimethyl ammonium chloride	56-93-9	36	16
AZT + TMP/SMX (mixture) combination	AZTTMPSMX	51	*	Benzyltrimethyl ammonium chloride	56-93-9	51	*
AZT transplacental carcinogenesis study	30516-87-1	40	16	Benzyltrimethyl ammonium chloride	56-93-9	36	16
Barium chloride dihydrate	10326-27-9	35	16	@ Binary mixture (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153))	TEFBINARMIX	47	16
Barium chloride dihydrate	10326-27-9	40	16	2-Biphenylamine hydrochloride	2185-92-4	40	16
@ BCNU (Listed As: 1,3- bis(Chloroethyl)-1- nitrosourea)	154-93-8	49	17	2,2-bis(Bromomethyl)-1,3- propanediol	3296-90-0	51	*
Benzaldehyde	100-52-7	40	16	2,2-bis(Bromomethyl)-1,3- propanediol	3296-90-0	36	16
@ Benzaldehyde Green (Listed As: Malachite green)	569-64-2	44	16	2,2-bis(Bromomethyl)-1,3- propanediol	3296-90-0	40	16
@ Benzaldehyde Green (Listed As: Malachite green)	569-64-2	37	16	1,3-bis(Chloroethyl)-1- nitrosourea	154-93-8	49	17
Benzene	71-43-2	40	16	bis(Chloromethyl) ether	542-88-1	49	17
@ Benzene (Transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Benzene))	71-43-2	35	16	bis(2-Chloro-1-methylethyl) ether	108-60-1	40	16
Benzethonium chloride	121-54-0	35	16	bis(2-Chloro-1-methylethyl) ether	108-60-1	40	16
Benzethonium chloride	121-54-0	40	16	Bisphenol A	80-05-7	40	16
Benzidine dihydrochloride	531-85-1	51	*	Bisphenol A	80-05-7	36	16
Benzofuran	271-89-6	40	16	Bisphenol A	80-05-7	36	16
Benzoin	119-53-9	40	16	Bisphenol A	80-05-7	40	16
Benzonitrile	100-47-0	51	*	Bisphenol AF	1478-61-1	33	6
Benzophenone	119-61-9	35	16	Bisphenol S	80-09-1	32	4
Benzophenone	119-61-9	40	16	1,2-Bis(2,4,6- tribromophenoxy)ethane	37853-59-1	32	5
p-Benzoquinone dioxime	105-11-3	40	16	@ Black 38, C.I. Acid (Listed As: C.I. Direct Black 38)	1937-37-7	36	16
1,2,3-Benzotriazole	95-14-7	40	16	@ Black Cloud Mine Ore (Colorado) (Listed As: Lead ores)	LEADORES	53	*
Phenolic Benzotriazoles (2-(2H- Benzotriazol-2-yl)-4-tert- butylphenol)	3147-76-0	33	6	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 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	33	6
				Black Cohosh	84776-26-1	51	*
				Black newsprint ink	EMTDP-75	36	16
				@ Blue 15, C.I. Direct (Listed As: C.I. Direct Blue 15)	2429-74-5	41	16
				@ Blue 218, C.I. Direct (Listed As: C.I. Direct Blue 218)	28407-37-6	36	16
				@ Blue 218, C.I. Direct (Listed As: C.I. Direct Blue 218)	28407-37-6	41	16
				@ Blue 6, C.I. Direct (Listed As: C.I. Direct Blue 6)	2602-46-2	36	16

@ 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
@ Blue 6, C.I. Direct (Listed As: C.I. Direct Blue 6)	2602-46-2	52	*	1,3-Butadiene	106-99-0	51	*
@ Blue 1, HC (Listed As: HC Blue 1)	2784-94-3	44	16	1,3-Butadiene	106-99-0	40	16
@ Blue 2, HC (Listed As: HC Blue 2)	33229-34-4	44	16	1,3-Butadiene	106-99-0	49	17
@ BMPC (Listed As: Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride)	479500-35-1	53	*	Butanal oxime	110-69-0	36	16
Boric acid	10043-35-3	40	16	1,4-Butanediol	110-63-4		16
@ BP-AF (Listed As: Bisphenol AF)	1478-61-1	33	6	2,3-Butanedione	431-03-8	41	16
@ BPAF (Listed As: Bisphenol AF)	1478-61-1	33	6	@ tert-Butanol (Listed As: tert-Butyl alcohol)	75-65-0	41	16
@ BPDP (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	51	*	@ tert-Butanol (Listed As: tert-Butyl alcohol)	75-65-0	36	16
Brominated Vegetable Oil	8016-94-2	36	16	@ Butanone oxime (Listed As: Methyl ethyl ketoxime)	96-29-7	38	16
Bromobenzene	108-86-1	51	*	@ Butoxyethanol (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	36	16
Bromobenzene	108-86-1	51	*	@ Butoxyethanol (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	36	16
@ Bromochloroacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Bromochloroacetic acid))	5589-96-8	48	16	@ Butoxyethanol (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	41	16
Bromodichloromethane	75-27-4	40	16	@ Butoxyethanol (Listed As: NTP-88 diet study (EGMBE))	DIET88+EGMBE	53	*
@ BromodichloromethaneE (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Bromodichloromethane))	75-27-4	55	*	2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	36	16
@ BromodichloromethaneE (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Bromodichloromethane))	75-27-4	55	*	2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	36	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	tert-Butyl alcohol	75-65-0	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	tert-Butyl alcohol	75-65-0	36	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	Butylated hydroxytoluene	128-37-0	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	N-Butylbenzenesulfonamide	3622-84-2	32	5
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	N-Butylbenzenesulfonamide	3622-84-2	32	3
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	Butyl benzyl phthalate	85-68-7	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	Butyl benzyl phthalate	85-68-7	36	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	Butyl benzyl phthalate	85-68-7	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	p-tert-Butylcatechol	98-29-3	36	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	p-tert-Butylcatechol	98-29-3	36	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	n-Butyl chloride	109-69-3	41	16
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	n-Butyl Glycidyl Ether	2426-08-6	51	*
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	tert-Butyl hydroperoxide	75-91-2	51	*
@ Bromodichloromethane (Water disinfection model) (Listed As: Water disinfection model (Bromodichloromethane))	75-27-4	35	16	tert-Butyl hydroperoxide	75-91-2	51	*
Bromoethane (ethyl bromide)	74-96-4	40	16	t-Butylhydroquinone	1948-33-0	41	16
@ Bromoform (Listed As: Tribromomethane)	75-25-2	48	16	tert-Butyl perbenzoate	614-45-9	36	16
beta-Bromo-beta-nitrostyrene	7166-19-0	36	16	tert-Butylphenyl Diphenyl Phosphate	56803-37-3	51	*
1-Bromopropane	106-94-5	40	16	Butyraldehyde	123-72-8	51	*
@ Brown 95, C.I. Direct (Listed As: C.I. Direct Brown 95)	16071-86-6	36	16	gamma-Butyrolactone	96-48-0	41	16
1,3-Butadiene	106-99-0	40	16	@ C9 Alkylbenzenes (Listed As: 1,2,4-trimethylbenzene)	95-63-6	33	6
				@ C9 Alkylbenzenes (Listed As: Cumene)	98-82-8	52	*

@ 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
@ C9 Alkylbenzenes (Listed As: Cumene)	98-82-8	42	16
@ C9 Alkylbenzenes (Listed As: 2-ethyltoluene)	611-14-3	52	*
@ C9 Alkylbenzenes (Listed As: 2-ethyltoluene)	611-14-3	32	4
@ C9 Alkylbenzenes (Listed As: 3-ethyltoluene)	620-14-4	52	*
@ C9 Alkylbenzenes (Listed As: 4-ethyltoluene)	622-96-8	52	*
Cadmium oxide	1306-19-0	36	16
Cadmium oxide	1306-19-0	36	16
@ Cadox TBH (Listed As: tert-Butyl hydroperoxide)	75-91-2	51	*
@ Cadox TBH (Listed As: tert-Butyl hydroperoxide)	75-91-2	51	*
Caffeine	58-08-2	51	*
Calcium chromate	13765-19-0	49	17
Calcium cyanamide	156-62-7	41	16
DL-Camphor	76-22-2	51	*
Caprolactam	105-60-2	41	16
Captan	133-06-2	41	16
Carbaryl	63-25-2	51	*
Carbon disulfide	75-15-0	51	*
Carbon disulfide	75-15-0	51	*
Carbon disulfide	75-15-0	51	*
Carbon tetrachloride	56-23-5	49	17
Carbromal	77-65-6	41	16
Cardio Transmitter Gene Evaluation	CARDIOGENEVL	51	*
Carisoprodol	78-44-4	51	*
Carisoprodol	78-44-4	36	16
Carisoprodol	78-44-4		16
D-Carvone	2244-16-8	41	16
Castor oil	8001-79-4	36	16
Cedarwood oil	8000-27-9	36	16
Cell Phone Radiation: CDMA	CELLPRADCDMA	34	14
Cell Phone Radiation: GSM	CELLPRADGSM	34	14
Cellulose insulation	CELLULOSEINS	36	16
@ CEM (Listed As: bis(2-Chloroethoxy)methane)	111-91-1	41	16
@ CEM (Listed As: bis(2-Chloroethoxy)methane)	111-91-1	51	*
@ CEM (Listed As: bis(2-Chloroethoxy)methane)	111-91-1	51	*
Chemical mixture - drinking water contaminants	CHEMMIXH2O	36	16
Chitosan	9012-76-4	36	16
Chloral hydrate	302-17-0	41	16
Chloral hydrate	302-17-0	36	16
Chloral hydrate	302-17-0	41	16
Chloral hydrate	302-17-0	41	16
Chloramben	133-90-4	41	16
Chlorambucil	305-03-3	49	17
Chloraminated water	CHLORAMINEMX	41	16
Chloramphenicol sodium succinate	982-57-0	51	*

Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
Chlordane (analytical grade)	57-74-9	41	16
Chlordecone	143-50-0	41	16
Chlorendic acid	115-28-6	41	16
Chlorinated paraffins: C12, 60% chlorine	108171-26-2	41	16
Chlorinated paraffins: C23, 43% chlorine	108171-27-3	41	16
Chlorinated trisodium phosphate	56802-99-4	41	16
Chlorinated water	CHLORWATERMX	41	16
@ Chlorine/Sodium hypochlorite (Listed As: Chlorinated water)	CHLORWATERMX	41	16
2-Chloroacetophenone (CN)	532-27-4	41	16
4-(Chloroacetyl)acetanilide	140-49-8	41	16
m-Chloroaniline	108-42-9	36	16
o-Chloroaniline	95-51-2	36	16
p-Chloroaniline	106-47-8	41	16
p-Chloroaniline hydrochloride	20265-96-7	41	16
o-Chlorobenzalmalononitrile (CS)	2698-41-1	41	16
Chlorobenzene	108-90-7	41	16
Chlorobenzilate	510-15-6	41	16
Chlorodibromomethane	124-48-1	41	16
3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX)	77439-76-0	51	*
Chloroethane	75-00-3	41	16
2-Chloroethanol (ethylene chlorohydrin)	107-07-3	41	16
bis(2-Chloroethoxy)methane	111-91-1	41	16
bis(2-Chloroethoxy)methane	111-91-1	51	*
bis(2-Chloroethoxy)methane	111-91-1	51	*
2-Chloroethyltrimethylammonium chloride	999-81-5	41	16
Chloroform	67-66-3	41	16
Chloromethyl methyl ether	107-30-2	49	17
3-Chloro-2-methylpropene	563-47-3	41	16
2-Chloromethylpyridine hydrochloride	6959-47-3	41	16
3-Chloromethylpyridine hydrochloride	6959-48-4	41	16
4-Chloro-2-nitroaniline	89-63-4	51	*
2-Chloronitrobenzene	88-73-3	36	16
4-Chloronitrobenzene	100-00-5	36	16
4-Chloro-m-phenylenediamine	5131-60-2	41	16
4-Chloro-o-phenylenediamine	95-83-0	41	16
2-Chloro-p-phenylenediamine sulfate	61702-44-1	41	16
Chloropicrin	76-06-2	41	16
Chloroprene	126-99-8	36	16
Chloroprene	126-99-8	41	16
Chloroprene	126-99-8	51	*
Chloroprene	126-99-8	52	*
1-Chloro-2-propanol, technical	127-00-4	36	16
1-Chloro-2-propanol, technical	127-00-4	52	*
1-Chloro-2-propanol, technical	127-00-4	41	16
@ 1-Chloro-2-propanol, technical (Transgenic LECM) (Listed As: Transgenic LECM (1-Chloro-2-propanol, technical))	127-00-4	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				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	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	*	trans-Cinnamaldehyde	14371-10-9	52	*
o-Chloropyridine	109-09-1	52	*	Cinnamyl anthranilate	87-29-6	41	16
o-Chloropyridine	109-09-1	36	16	C.I. Pigment Red 3	2425-85-6	41	16
Chlorothalonil	1897-45-6	41	16	C.I. Pigment Red 23	6471-49-4	41	16
3-Chloro-p-toluidine	95-74-9	41	16	C.I. Solvent Yellow 14	842-07-9	42	16
5-Chloro-o-toluidine	95-79-4	41	16	Citral	5392-40-5	42	16
4-Chloro-o-toluidine hydrochloride	3165-93-3	41	16	Citral	5392-40-5	52	*
p-Chloro-a,a,a-trifluorotoluene	98-56-6	34	12	Citral	5392-40-5	52	*
p-Chloro-a,a,a-trifluorotoluene	98-56-6	41	16	C.I. Vat Yellow 4	128-66-5	42	16
p-Chloro-a,a,a-trifluorotoluene	98-56-6	36	16	Clonitralid	1420-04-8	42	16
p-Chloro-a,a,a-trifluorotoluene	98-56-6	36	16	@ CN	532-27-4	41	16
@ Chlorowax 40 (Listed As: Chlorinated paraffins: C23, 43% chlorine)	108171-27-3	41	16	(Listed As: 2- Chloroacetophenone (CN))			
@ Chlorowax 500C (Listed As: Chlorinated paraffins: C12, 60% chlorine)	108171-26-2	41	16	Cobalt	7440-48-4	42	16
Chlorpheniramine maleate	113-92-8	41	16	Cobalt sulfate heptahydrate	10026-24-1		16
Chlorpropamide	94-20-2	41	16	Cobalt sulfate heptahydrate	10026-24-1	42	16
Chromium	7440-47-3	49	17	Coconut oil acid diethanolamine condensate	68603-42-9	42	16
Chromium picolinate monohydrate	27882-76-4	41	16	@ Coconut oil acid/diethanolamine condensate (Listed As: Coconut oil acid diethanolamine condensate)	68603-42-9	42	16
@ Chrysotile asbestos (Listed As: Asbestos, chrysotile(IR) + Dimethyl hydrazine)	12001-29-5	40	16	@ Coconut oil acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Coconut oil acid diethanolamine condensate))	68603-42-9	55	*
@ Chrysotile asbestos (Listed As: Asbestos, chrysotile(IR) + Dimethyl hydrazine)	12001-29-5	40	16	@ Coconut oil acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Coconut oil acid diethanolamine condensate))	68603-42-9	55	*
C.I. Phthalocyanine green	1328-53-6	52	*	Codeine	76-57-3	36	16
C.I. Acid Orange 3	6373-74-6	41	16	Codeine	76-57-3	42	16
C.I. Acid Orange 10	1936-15-8	41	16	@ Copper sulfate	7758-99-8	36	16
C.I. Acid Red 14	3567-69-9	41	16	(Listed As: Cupric sulfate)			
C.I. Acid Red 114	6459-94-5	41	16	@ Copper sulfate	7758-99-8	36	16
@ C.I. Basic Green 4 (Listed As: Malachite green)	569-64-2	44	16	(Listed As: Cupric sulfate)			
@ C.I. Basic Green 4 (Listed As: Malachite green)	569-64-2	37	16	Corn oil	8001-30-7	42	16
@ C.I. Basic Red 1 (Listed As: Rhodamine 6G)	989-38-8	47	16	Coumaphos	56-72-4	42	16
C.I. Basic Red 9 Monohydrochloride	569-61-9	41	16	Coumarin	91-64-5	36	16
C.I. Direct Black 38	1937-37-7	36	16	Coumarin	91-64-5	42	16
C.I. Direct Blue 6	2602-46-2	36	16	Coumarin	91-64-5	33	6
C.I. Direct Blue 6	2602-46-2	52	*	m-Cresidine	102-50-1	42	16
C.I. Direct Blue 15	2429-74-5	41	16	p-Cresidine	120-71-8	42	16
C.I. Direct Blue 218	28407-37-6	36	16	p-Cresidine	120-71-8	52	*
C.I. Direct Blue 218	28407-37-6	41	16	m-Cresol	108-39-4	36	16
C.I. Direct Brown 95	16071-86-6	36	16	o-Cresol	95-48-7	36	16
C.I. Disperse Blue 1	2475-45-8	41	16	p-Cresol	106-44-5	36	16
C.I. Disperse Yellow 3	2832-40-8	41	16	Cresols	1319-77-3	36	16
1,8-Cineol	470-82-6	52	*	Cresols	1319-77-3	42	16
1,8-Cineol	470-82-6	52	*	@ Crocidolite asbestos (Listed As: Asbestos, crocidolite)	12001-28-4	40	16
Cinnamaldehyde	104-55-2	52	*	Crotonaldehyde	4170-30-3	52	*
trans-Cinnamaldehyde	14371-10-9	41	16	Crude MCHM	CRUDEMCHM	33	6
				Crumbrubber various	CRUMBRUBBERVARIOUS	36	16
				@ CS	2698-41-1	41	16
				(Listed As: o- Chlorobenzalmalononitrile (CS))			

@ 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
@ CTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	34	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	41	16	@ 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	36	16	@ DBP (Listed As: Dibutyl Phthalate)	84-74-2	42	16
@ CTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	@ DBP (Listed As: Dibutyl Phthalate)	84-74-2	36	16
Cumene	98-82-8	52	*	@ DBP (Listed As: Dibutyl Phthalate)	84-74-2	36	16
Cumene	98-82-8	42	16	@ DBP (Listed As: Dibutyl Phthalate)	84-74-2	36	16
Cumene hydroperoxide	80-15-9	52	*	@ 1,3-DCP (Listed As: 1,3-Dichloropropene (Telone II))	542-75-6	42	16
Cupferron	135-20-6	42	16	D&C Red No. 9	5160-02-1	42	16
Cupric sulfate	7758-99-8	36	16	D&C Yellow No. 11	8003-22-3	36	16
Cupric sulfate	7758-99-8	36	16	D&C Yellow No. 11	8003-22-3	42	16
@ Curcumin (Prevention 4) (Listed As: Prevention 4 (Curcumin))	458-37-7	54	*	@ DDC (AIDS Initiative) (Listed As: 2',3'-Dideoxycytidine)	7481-89-2	52	*
Cyclanilide	113136-77-9	52	*	@ DDC (AIDS Initiative) (Listed As: 2',3'-Dideoxycytidine)	7481-89-2	52	*
2-Cyclohexen-1-one	930-68-7	52	*	@ DDC (AIDS Initiative) (Listed As: 2',3'-Dideoxycytidine)	7481-89-2	52	*
Cyclohexanone	108-94-1	49	17	o,p'-DDD	53-19-0	49	17
Cyclohexanone oxime	100-64-1	36	16	@ DDT (Listed As: Dichlorodiphenyltrichloroethane (DDT))	50-29-3	42	16
Cyclohexene oxide	286-20-4	52	*	@ DDVP (Listed As: Dichlorvos)	62-73-7	42	16
Cyclohexene oxide	286-20-4	52	*	@ DDVP (Listed As: Dichlorvos)	62-73-7	42	16
Cyclohexene oxide	286-20-4	52	*	Decabromodiphenyl Ether	1163-19-5	32	5
Cyclophosphamide	50-18-0	49	17	Decabromodiphenyl Ether	1163-19-5	42	16
@ Cyclophosphamide monohydrate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclophosphamide monohydrate))	6055-19-2	55	*	2,4-Decadienal	25152-84-5	52	*
@ Cyclophosphamide monohydrate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclophosphamide monohydrate))	6055-19-2	55	*	2,4-Decadienal	25152-84-5	36	16
@ Cyclosporin A (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Cyclosporin A))	59865-13-3	55	*	Decalin	91-17-8	42	16
@ 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	34	10
Cyfluthrin	68359-37-5	52	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	42	16
Cyprodinil	121552-61-2	52	*	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	52	*
Cytarabine	147-94-4	49	17	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	33	6
Cytembena	21739-91-3	42	16	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	52	*
Cytoxal alcohol	4465-94-5	49	17	@ DEHP (Listed As: Di(2-ethylhexyl) Phthalate)	117-81-7	42	16
@ 2,4-D (Peroxisome project) (Listed As: Peroxisome project (2,4-Dichlorophenoxyacetic acid))	94-75-7	54	*	Deoxynivalenol	51481-10-8	32	2
Dacarbazine	4342-03-4	49	17	@ DEP (Listed As: Diethyl phthalate)	84-66-2	42	16
Daminozide	1596-84-5	42	16	@ DES (Transgenic model evaluation) (Listed As: Transgenic model evaluation (DES))	56-53-1	55	*
Damp Building Mold Mixture	DAMPBLDGMOLD	32	3	Daunomycin	20830-81-3	49	17
@ DAPSONE (Listed As: 4,4'-Sulfonyldianiline (Dapsone))	80-08-0	47	16				

@ 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
@ 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	*
@ 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	36	16
@ 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	42	16
@ DGRE (Listed As: Diglycidyl resorcinol ether (DGRE))	101-90-6	42	16	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	52	*
@ DHPT (Listed As: 4-(6-Methyl-2- benzothiazolyl)-benzenamine)	92-36-4	53	*	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	52	*
@ DIACETYL (Listed As: 2,3-Butanedione)	431-03-8	41	16	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	36	16
Diallyl phthalate	131-17-9	42	16	1,2-Dibromo-2,4-dicyanobutane	35691-65-7	42	16
Diallyl phthalate	131-17-9	42	16	Dibromodulcitol	10318-26-0	49	17
4,4'-Diamino-2,2'- stilbenedisulfonic acid, disodium salt	7336-20-1	42	16	1,2-Dibromoethane	106-93-4	42	16
2,4-Diaminoanisole sulfate	39156-41-7	42	16	1,2-Dibromoethane	106-93-4	42	16
2,4-Diaminophenol dihydrochloride	137-09-7	42	16	Dibromomannitol	488-41-5	49	17
2,4-Diaminotoluene (2,4-toluene diamine)	95-80-7	42	16	2,3-Dibromo-1-propanol	96-13-9	42	16
@ 2,6-Diaminotoluene HCL (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,6-Diaminotoluene 2HCL))	15481-70-6	55	*	Dibutyl Phthalate	84-74-2	42	16
@ 2,6-Diaminotoluene HCL (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,6-Diaminotoluene 2HCL))	15481-70-6	55	*	Dibutyl Phthalate	84-74-2	36	16
@ 2,4-Diaminotoluene (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,4- Diaminotoluene))	95-80-7	55	*	Dibutyl Phthalate	84-74-2	36	16
@ 2,4-Diaminotoluene (Transgenic model evaluation) (Listed As: Transgenic model evaluation (2,4- Diaminotoluene))	95-80-7	55	*	@ Dibutyl phthalate (Peroxisome project) (Listed As: Peroxisome project (Dibutyl phthalate))	84-74-2	53	*
Diarylanilide yellow	6358-85-6	42	16	Dibutyltin diacetate	1067-33-0	42	16
Diazinon	333-41-5	42	16	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	37	16
Diazoaminobenzene	136-35-6	36	16	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	35	16
Dibenzo-p-dioxin	262-12-4	42	16	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	35	16
@ Dibromoacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Dibromoacetic acid))	631-64-1	56	*	@ DIC (Listed As: Diisopropylcarbodiimide)	693-13-0	43	16
@ Dibromoacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Dibromoacetic acid))	631-64-1	48	16	@ Dichloroacetic acid (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Dichloroacetic acid))	79-43-6	56	*
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	35	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	35	16
@ Dibromodicyanobutane (Listed As: 1,2-Dibromo-2,4- dicyanobutane)	35691-65-7	52	*	@ Dichloroacetic acid (Water disinfection mode) (Listed As: Water disinfection model (Dichloroacetic acid))	79-43-6	35	16
				1,2-Dichlorobenzene (o-dichlorobenzene)	95-50-1	42	16
				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	42	16

@ 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
@ 1,2-Dichloro-1,1-difluoroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,2-Dichloro-1,1- difluoroethane))	1649-08-7	37	16	Diesel fuel marine	DIESELFUEL	42	16
p,p'-Dichlorodiphenyl dichloroethylene	72-55-9	42	16	Diet Evaluation Study	DIETEVAL	52	*
p,p'-Dichlorodiphenyl sulfone	80-07-9		16	Diethanolamine	111-42-2	36	16
p,p'-Dichlorodiphenyl sulfone	80-07-9	42	16	Diethanolamine	111-42-2	36	16
Dichlorodiphenyltrichloroethane (DDT)	50-29-3	42	16	Diethanolamine	111-42-2	42	16
1,1-Dichloroethane	75-34-3	42	16	@ Diethanolamine (Transgenic LECM) (Listed As: Transgenic LECM (diethanolamine))	111-42-2	56	*
1,2-Dichloroethane	107-06-2	42	16	Diethylamine	109-89-7	42	16
1,2-Dichloroethane	107-06-2	36	16	Di(2-ethylhexyl)adipate	103-23-1	42	16
1,2-Dichloroethane	107-06-2		16	Di(2-ethylhexyl) Phthalate	117-81-7	34	10
1,2-Dichloroethane	107-06-2		16	Di(2-ethylhexyl) Phthalate	117-81-7	42	16
1,2-Dichloroethane	107-06-2		16	Di(2-ethylhexyl) Phthalate	117-81-7	52	*
@ Dichloroethylene,1,1 (Listed As: Vinylidene Chloride)	75-35-4	48	16	Di(2-ethylhexyl) Phthalate	117-81-7	33	6
@ Dichloroethylene,1,1 (Listed As: Vinylidene Chloride)	75-35-4	48	16	Di(2-ethylhexyl) Phthalate	117-81-7	52	*
cis & trans 1,2-Dichloroethylene	540-59-0	52	*	Di(2-ethylhexyl) Phthalate (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Di(2-ethylhexyl) phthalate))	117-81-7	55	*
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(p-ethylphenyl)dichloroethane	72-56-0	42	16
trans-1,2-Dichloroethylene	156-60-5	52	*	Diethyl phthalate	84-66-2	42	16
trans-1,2-Dichloroethylene	156-60-5	36	16	Diethyl phthalate/dimethyl phthalate	DIETH/DIMETH	42	16
@ Dichloromethane (Listed As: Methylene chloride)	75-09-2	45	16	N,N'-Diethylthiourea	105-55-5	42	16
Dichloromethotrexate	528-74-5	49	17	@ 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	37	16
2,4-Dichlorophenol	120-83-2	42	16	Diglycidyl resorcinol ether (DGRE)	101-90-6	42	16
2,6-Dichloro-p-phenylenediamine	609-20-1	42	16	3,4-Dihydrocoumarin	119-84-6	36	16
1,2-Dichloropropane (propylene dichloride)	78-87-5	42	16	3,4-Dihydrocoumarin	119-84-6	43	16
1,3-Dichloropropene (Telone II)	542-75-6	42	16	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	36	16
2,3-Dichloropropylene	78-88-6	52	*	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	43	16
Dichlorvos	62-73-7	42	16	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	37	16
Dichlorvos	62-73-7	42	16	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	147-47-7	43	16
Dicofol	115-32-2	42	16	1,2-Dihydro-2,2,4- trimethylquinoline (polymer)	26780-96-1	52	*
Dicyclohexylcarbodiimide	538-75-0	35	16	Diisopropylcarbodiimide	693-13-0	37	16
Dicyclohexylcarbodiimide	538-75-0	35	16	Diisopropylcarbodiimide	693-13-0	35	16
Dicyclohexylcarbodiimide	538-75-0	35	16	Diisopropylcarbodiimide	693-13-0	35	16
N,N'-Dicyclohexylthiourea	1212-29-9	42	16	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	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	*				
@ 2',3'-Dideoxycytidine (AIDS Initiative) (Listed As: 2',3'- Dideoxycytidine)	7481-89-2	52	*				
Dieldrin	60-57-1	42	16				
Dieldrin	60-57-1	42	16				

@ 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
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	32	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	37	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	32	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	16	Phenolic Benzotriazoles (Drometrizole)	2440-22-4	33	8
Dimethyl hydrazine (DMH)	57-14-7	49	17	@ EDTA (Listed As: Trisodium ethylenediaminetetraacetate trihydrate (EDTA))	150-38-9	48	16
1,2-Dimethylhydrazine 2HCl	306-37-6	49	17	@ EGMME (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	36	16
Dimethyl hydrogen phosphite	868-85-9	43	16	@ EGMME (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	36	16
Dimethyl methylphosphonate	756-79-6	43	16	@ EGMME (Listed As: 2-Butoxyethanol (ethylene glycol monobutyl ether))	111-76-2	36	16
Dimethyl morpholinophosphoramidate	597-25-1	43	16	@ EGMME (Listed As: Ethylene glycol monoethyl ether (EGMEE))	110-80-5	37	16
Dimethyl terephthalate	120-61-6	43	16	@ EGMEE (Listed As: Ethylene glycol monoethyl ether (EGMEE))	110-80-5	37	16
N,N-Dimethyl-p-toluidine	99-97-8	32	5	@ EGMME (Listed As: Ethylene Glycol Monomethyl Ether (EGMME))	109-86-4	37	16
N,N-Dimethyl-p-toluidine	99-97-8	52	*	@ EGMME (Listed As: Ethylene Glycol Monomethyl Ether (EGMME))	109-86-4	37	16
N,N-Dimethyl-p-toluidine	99-97-8	43	16	@ EGMME (Listed As: Ethylene Glycol Monomethyl Ether (EGMME))	109-86-4	37	16
Dimethylvinyl chloride (DMVC)	513-37-1	43	16	Elmiron (sodium pentosanpolysulfate)	37319-17-8	43	16
2,2'-Dimorpholinodiethyl Ether	6425-39-4	32	5	Elmiron (sodium pentosanpolysulfate)	37319-17-8	37	16
2,4-Dinitrotoluene	121-14-2	43	16	Emetine hydrochloride	316-42-7	43	16
1,4-Dioxane	123-91-1	43	16	@ EMF + DMBA init prom (Listed As: Magnetic fields + DMBA initiation promotion)	EMF+DMBA	37	16
Dioxathion	78-34-2	43	16	Emodin	518-82-1	43	16
@ Dioxin mixture (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (Dioxin mixture))	TEFDIOXINMIX	48	16	Endocrine disruptor (Ethinyl estradiol)	57-63-6	43	16
Diphenhydramine hydrochloride	147-24-0	43	16	Endocrine disruptor (Ethinyl estradiol)	57-63-6	43	16
1,3-Diphenylguanidine	102-06-7	16	16				
5,5-Diphenylhydantoin (phenytoin)	57-41-0	43	16				
@ DIPHONE (Listed As: Bisphenol S)	80-09-1	32	4				
Dipropylene glycol	25265-71-8	37	16				
Dipropylene glycol	25265-71-8	43	16				
Dipropylene glycol phenyl ether	51730-94-0	32	4				
2,5-Dithiobiurea	142-46-1	43	16				
Divinylbenzene	1321-74-0	52	*				
Divinylbenzene	1321-74-0	43	16				
@ DMBA + EMF init prom (Listed As: Magnetic fields + DMBA initiation promotion)	EMF+DMBA	37	16				

@ 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
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	42	16
Endosulfan	115-29-7	43	16	@ Ethylene dichloride (Listed As: 1,2-Dichloroethane)	107-06-2	36	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	43	16
Ephedrine sulfate	134-72-5	43	16	Ethylene glycol monoethyl ether (EGMEE)	110-80-5	37	16
Epichlorhydrin	106-89-8	49	17	Ethylene glycol monoethyl ether (EGMEE)	110-80-5	37	16
Epinephrine hydrochloride	55-31-2	43	16	Ethylene Glycol Monomethyl Ether (EGMME)	109-86-4	37	16
1,2-Epoxybutane	106-88-7	43	16	Ethylene Glycol Monomethyl Ether (EGMME)	109-86-4	37	16
Erythromycin stearate	643-22-1	43	16	Ethylene oxide	75-21-8	43	16
Estradiol mustard	22966-79-6	43	16	Ethylene thiourea (ETU)	96-45-7	43	16
Estragole	140-67-0	52	*	2-Ethylhexyl Diphenyl Phosphate	1241-94-7	52	*
Estragole	140-67-0	37	16	@ 1-Ethyl-3-methylimidazolium Chloride (Ionic Liquid) (Listed As: Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride)	65039-09-0	37	16
1,2-bis(pentabromophenyl)ethane	84852-53-9	32	5	Ethyl tellurac	20941-65-5	43	16
Ethanol	64-17-5	43	16	@ Ethyl tellurac (Listed As: Ethyl tellurac)	20941-65-5	43	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	37	16	2-ethyltoluene	611-14-3	52	*
Ethinyl estradiol	57-63-6	52	*	2-ethyltoluene	611-14-3	32	4
@ Ethinyl estradiol (Endocrine disruptor) (Listed As: Endocrine disruptor (Ethinyl estradiol))	57-63-6	43	16	3-ethyltoluene	620-14-4	52	*
@ Ethinyl estradiol (Endocrine disruptor) (Listed As: Endocrine disruptor (Ethinyl estradiol))	57-63-6	43	16	4-ethyltoluene	622-96-8	52	*
@ Ethinyl estradiol (Endocrine disruptor) (Listed As: Endocrine disruptor (Ethinyl estradiol))	57-63-6	43	16	Ethyl vinyl ketone	1629-58-9	52	*
@ Ethinyl estradiol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Ethinyl estradiol))	57-63-6	55	*	Eugenol	97-53-0	43	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	*
Ethionamide	536-33-4	43	16	FD & C Yellow No. 6	2783-94-0	43	16
@ Ethoxyethanol (Listed As: NTP-88 diet study (EGMEE))	DIET88+EGMEE	53	*	Feed restriction studies	FEEDRESTRICT	43	16
Ethoxyquin	91-53-2	52	*	Formulated fenaminosulf	140-56-7	43	16
Ethyl acrylate	140-88-5	43	16	Fenofibrate	49562-28-9	33	6
Ethylbenzene	100-41-4	37	16	Fenthion	55-38-9	43	16
Ethylbenzene	100-41-4	43	16	Ferrocene	102-54-5	52	*
@ Ethyl bromide (Listed As: Bromoethane (ethyl bromide))	74-96-4	40	16	@ Firemaster 680 (Listed As: 1,2-Bis(2,4,6-tribromophenoxy)ethane)	37853-59-1	32	5
@ Ethyl chloride (Listed As: Chloroethane)	75-00-3	41	16	@ Firemaster FF-1 (Listed As: Polybrominated biphenyl mixture (Firemaster FF-1))	67774-32-7	46	16
@ Ethylene chlorohydrin (Listed As: 2-Chloroethanol (ethylene chlorohydrin))	107-07-3	41	16	@ Firemaster FF-1 (Listed As: Polybrominated biphenyl mixture (Firemaster FF-1))	67774-32-7	46	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	43	16

@ 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
Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	3296-90-0	43	16	@ Flame Retardant 2 (Listed As: Hexachlorocyclopentadienyl-dibromocyclooctane)	51936-55-1	32	5
Fish Project 1 (Nitromethane)	75-52-5	43	16	@ Flame Retardant 2 (Listed As: 1,2-bis(pentabromophenyl)ethane)	84852-53-9	32	5
Fish Project 1 (Nitromethane)	75-52-5	43	16	@ Flame Retardant 2 (Listed As: 2-ethylhexyl-2,3,4,5-tetrabromobenzoate)	183658-27-7	33	8
Fish project 1 (1,2,3-Trichloropropane)	96-18-4	43	16	@ Flaxseed oil + melatonin (Prevention 1)	FLAXSEED+MEL	54	*
Fish project 1 (1,2,3-Trichloropropane)	96-18-4	43	16	(Listed As: Prevention 1 (Flaxseed oil + melatonin))			
@ Flame Retardant 1 (Listed As: Triphenyl Phosphate)	115-86-6	56	*	@ Flaxseed oil (Prevention 1) (Listed As: Prevention 1 (Flaxseed oil))	8001-26-1	54	*
@ Flame Retardant 1 (Listed As: Triphenyl Phosphate)	115-86-6	33	6	Fluometuron	2164-17-2	43	16
@ Flame Retardant 1 (Listed As: 2-Ethylhexyl Diphenyl Phosphate)	1241-94-7	52	*	Fluorotelomer Alcohol 8+2	678-39-7	32	3
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	Flusilazole	85509-19-9	52	*
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	Flutamide	13311-84-7	52	*
@ Flame Retardant 1 (Listed As: Tricresyl Phosphate)	1330-78-5	48	16	Formaldehyde	50-00-0	52	*
@ Flame Retardant 1 (Listed As: Isodecyl Diphenyl Phosphate)	29761-21-5	53	*	Formaldehyde	50-00-0	52	*
@ Flame Retardant 1 (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	51	*	Formamide	75-12-7	37	16
@ Flame Retardant 1 (Listed As: Isopropylated Phenol Phosphate)	68937-41-7	32	5	Formamide	75-12-7	43	16
@ Flame Retardant 1 (Listed As: Isopropylated Phenol Phosphate)	68937-41-7	53	*	Formic acid	64-18-6	37	16
@ Flame Retardant 2 (Listed As: Decabromodiphenyl Ether)	1163-19-5	32	5	Fumonisin B1	116355-83-0		16
@ Flame Retardant 2 (Listed As: Decabromodiphenyl Ether)	1163-19-5	42	16	Fumonisin B1	116355-83-0	43	16
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	54	*	Furan	110-00-9	49	17
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	54	*	Furan	110-00-9	52	*
@ Flame Retardant 2 (Listed As: 2,2',4,4'-Tetrabromodiphenyl Ether)	5436-43-1	38	16	Furan	110-00-9	43	16
@ Flame Retardant 2 (Listed As: Tetrabromobisphenol A-bis(2,3-dibromopropyl ether))	21850-44-2	38	16	Furfural	98-01-1	43	16
@ Flame Retardant 2 (Listed As: 1,3,5,7,9,11-Hexabromocyclododecane)	25637-99-4	32	5	Furfuryl alcohol	98-00-0	37	16
@ Flame Retardant 2 (Listed As: Bis(2-ethylhexyl) tetrabromophthalate)	26040-51-7	38	16	Furfuryl alcohol	98-00-0	43	16
@ Flame Retardant 2 (Listed As: 1,2-Bis(2,4,6-tribromophenoxy)ethane)	37853-59-1	32	5	@ Furfuryl alcohol (Transgenic LECM) (Listed As: Transgenic LECM (Furfuryl alcohol))	98-00-0	55	*
				Furoseamide	54-31-9	43	16
				Gallium arsenide	1303-00-0	37	16
				Gallium arsenide	1303-00-0	43	16
				Gallium oxide	12024-21-4	52	*
				Garcinia Cambogia Extract	90045-23-1	52	*
				@ GCE (Listed As: Garcinia Cambogia Extract)	90045-23-1	52	*
				@ Gemfibrozil (Peroxisome project) (Listed As: Peroxisome project (Gemfibrozil))	25812-30-0	54	*
				@ Genistein (Endocrine disruptor) (Listed As: Endocrine disruptor (Genistein))	446-72-0	43	16
				@ Gentian violet (Listed As: Hexamethyl-p-rosaniline chloride)	548-62-9	44	16
				@ Gentian violet (Listed As: Hexamethyl-p-rosaniline chloride)	548-62-9	44	16
				Geranyl acetate	105-87-3	44	16
				Ginkgo biloba extract	90045-36-6	44	16
				Ginkgo biloba extract	90045-36-6	52	*
				Ginseng	50647-08-0	44	16

@ 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
Ginseng	50647-08-0	33	8	1,3,5,7,9,11-Hexabromocyclododecane	25637-99-4	32	5
Glucosamine	3416-24-8	52	*	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	68631-49-2	32	2
Glucosamine Hydrochloride + Chondroitin Sulfate	GLUCOSCHONDN	52	*	Hexachlorobenzene	118-74-1	33	6
Glutaraldehyde	111-30-8	37	16	Hexachlorobenzene	118-74-1	37	16
Glutaraldehyde	111-30-8	44	16	@ 2,2'-4,4',5,5'-hexachlorobiphenyl (PCB 153) (Toxic equivalency factor evaluation)	35065-27-1	48	16
Glycidamide	5694-00-8	44	16	(Listed As: Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl))			
Glycidol	556-52-5	44	16	Hexachloro-1,3-butadiene	87-68-3	37	16
@ Glycidol (Transgenic model evaluation II) (Listed As: Transgenic model evaluation II (Glycidol))	556-52-5	35	16	Hexachlorocyclopentadiene	77-47-4	44	16
@ Glycol (Listed As: Polysorbate 80 (glycol))	9005-65-6	46	16	Hexachlorocyclopentadienyl-dibromocyclooctane	51936-55-1	32	5
Glyoxal	107-22-2	52	*	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	44	16
Glyphosate	1071-83-6	37	16	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	44	16
Glyphosate	1071-83-6	37	16	Hexachloroethane	67-72-1	44	16
Goldenseal extract	84603-60-1	52	*	Hexachloroethane	67-72-1	44	16
Goldenseal root powder	GOLDENSEALRT	37	16	@ Hexachloroethane (Halogenated ethanes CS)	67-72-1	37	16
Goldenseal root powder	GOLDENSEALRT	44	16	(Listed As: Halogenated ethanes CS (Hexachloroethane))			
@ Green, Phthalocyanine (Listed As: C.I. Phthalocyanine green)	1328-53-6	52	*	Hexachlorophene	70-30-4	44	16
Green Tea Extract	GREENTEAEEXTR	52	*	2,4-Hexadienal	142-83-6	37	16
Green Tea Extract	GREENTEAEEXTR	44	16	2,4-Hexadienal	142-83-6	44	16
Guanazole	1455-77-2	49	17	Hexamethyl-p-rosaniline chloride	548-62-9	44	16
Guar gum	9000-30-0	44	16	Hexamethyl-p-rosaniline chloride	548-62-9	44	16
Gum Arabic	9000-01-5	44	16	Hexanamide	628-02-4	49	17
Gum Guggul Extract	GUMGUGGULEXT	52	*	1,6-Hexanediamine dihydrochloride	6055-52-3	37	16
Halogenated ethanes CS (1,2-Dichloro-1,1-difluoroethane)	1649-08-7	37	16	1,6-Hexanediamine dihydrochloride	6055-52-3	37	16
Halogenated ethanes CS (1,2-Difluoro-1,1,2,2-tetrachloroethane)	76-12-0	37	16	n-Hexane	110-54-3	37	16
Halogenated ethanes CS (Hexachloroethane)	67-72-1	37	16	4-Hexylresorcinol	136-77-6	44	16
Halogenated ethanes CS (Pentabromoethane)	75-95-6	37	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	34	14
Halogenated ethanes CS (Pentachloroethane)	76-01-7	37	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	37	16
Halogenated ethanes CS (1,1,1,2-Tetrabromoethane)	630-16-0	37	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	37	16
Halogenated ethanes CS (1,1,2,2-Tetrabromoethane)	79-27-6	37	16	@ HMB (Listed As: 2-Hydroxy-4-methoxybenzophenone)	131-57-7	37	16
Halogenated ethanes CS (1,1,1,2-Tetrachloroethane)	630-20-6	37	16	@ 4-HPR (Retinoid project 6) (Listed As: Retinoid project 6 (4-HPR))	65646-68-6	54	*
Halogenated ethanes CS (1,1,2,2-Tetrachloroethane)	79-34-5	37	16	Hydrazobenzene	122-66-7	44	16
Halogenated ethanes CS (1,1,1-Trichloroethane)	71-55-6	37	16	Hydrochlorothiazide	58-93-5	44	16
Halogenated ethanes CS (1,1,1-Trichloro-2,2,2-trifluoroethane)	354-58-5	37	16	Hydroquinone	123-31-9	44	16
@ Harness (R) (Listed As: Acetochlor)	34256-82-1	51	*	Phenolic Benzotriazoles (3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid, octyl ester)	84268-23-5	49	17
HC Blue 1	2784-94-3	44	16	2-Hydroxy-4-methoxybenzophenone	131-57-7	34	14
HC Blue 2	33229-34-4	44	16	2-Hydroxy-4-methoxybenzophenone	131-57-7	37	16
HC Red 3	2871-01-4	44	16	2-Hydroxy-4-methoxybenzophenone	131-57-7	37	16
HC Yellow 4	59820-43-8	44	16				
Heptachlor	76-44-8	44	16				

@ 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
2-Hydroxy-4-methoxybenzophenone	131-57-7	37	16	Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride	65039-09-0	37	16
5-(Hydroxymethyl)-2-furfural	67-47-0	37	16	Ionic liquid Toxicity	IONICLIQUIDS	53	*
5-(Hydroxymethyl)-2-furfural	67-47-0	44	16	Isobutene	115-11-7	44	16
8-Hydroxyquinoline	148-24-3	44	16	Isobutyl nitrite	542-56-3	44	16
@ 8-Hydroxyquinoline (Transgenic model evaluation) (Listed As: Transgenic model evaluation (8- Hydroxyquinoline))	148-24-3	55	*	Isobutyraldehyde	78-84-2	37	16
@ 8-Hydroxyquinoline (Transgenic model evaluation) (Listed As: Transgenic model evaluation (8- Hydroxyquinoline))	148-24-3	55	*	Isobutyraldehyde	78-84-2	44	16
Hydroxyurea	127-07-1	49	17	Isodecyl Diphenyl Phosphate	29761-21-5	53	*
ICRF-159	21416-87-5	44	16	Isoeugenol	97-54-1	44	16
@ IDDP (Listed As: Isodecyl Diphenyl Phosphate)	29761-21-5	53	*	Isophorone	78-59-1	44	16
IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)	3458-22-8	44	16	Isophosphamide	3778-73-2	44	16
Indium phosphide	22398-80-7	44	16	Isoprene	78-79-5	37	16
Indole-3-carbinol	700-06-1	37	16	Isoprene	78-79-5	44	16
Indole-3-carbinol	700-06-1	44	16	Isoprene	78-79-5	16	16
@ Indole-3-carbinol (Prevention 4) (Listed As: Prevention 4 (Indole-3-carbinol))	700-06-1	54	*	Isopropylated Phenol Phosphate	68937-41-7	32	5
Indoxacarb	173584-44-6	52	*	Isopropylated Phenol Phosphate	68937-41-7	53	*
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	44	16	Kava kava extract	9000-38-8	44	16
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	44	16	@ Kelthane (Listed As: Dicofol)	115-32-2	42	16
Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	INIT/PROM	44	16	@ Kepone (Listed As: Chlordecone)	143-50-0	41	16
Insertional mutagenesis (Radiation Levels)	INSERTMUTRAD	52	*	Lasiocarpine	303-34-4	44	16
Insertional mutagenesis II (SIN vector)	INSERTMUT2	52	*	Lauric acid diethanolamine condensate	120-40-1	44	16
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3	33	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	33	7	@ Lauric acid diethanolamine condensate (Transgenic LECM) (Listed As: Transgenic LECM (Lauric acid diethanolamine condensate))	120-40-1	55	*
Insertional mutagenesis (LTR/SIN vectors)	INSERTMUT	52	*	Lead(2+) acetate	301-04-2	53	*
Interferon AD (AIDS Initiative)	INTERFERONAD	44	16	Lead contaminated soil	PBCONTAMSOIL	53	*
Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative)	INTAZTCOMB	44	16	Lead dimethyldithiocarbamate	19010-66-3	44	16
Interferon AD + ddC (AIDS Initiative)	INTDDCCOMB	52	*	Lead ores	LEADORES	53	*
Interferon A (AIDS Initiative)	76543-88-9	44	16	Lead oxide	1317-36-8	53	*
Iodinated glycerol	5634-39-9	44	16	Lead sulfide	1314-87-0	53	*
Iodoform	75-47-8	44	16	Lead sulfide	1314-87-0	53	*
Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride	79917-90-1	53	*	Leucomalachite green	129-73-7	44	16
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride	479500-35-1	53	*	Leucomalachite green	129-73-7	37	16
Ionic Liquid: N-Butylpyridinium Chloride	1124-64-7	37	16	Libby Amphibole 2007	LA2007	33	6
				D-Limonene	5989-27-5	44	16
				Lindane	58-89-9	44	16
				Lipopolysaccharides from Escherichia coli	ECOLI_LPS	53	*
				Lithocholic acid	434-13-9	44	16
				Locust bean gum	9000-40-2	44	16
				Lomustine	13010-47-4	49	17
				1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	34	13
				1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	33	7

@ 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
@ Low isoflavone soy protein powder (Prevention 6) (Listed As: Prevention 6 (low isoflavone soy protein powder))	ISOFLAVSOYPT	54	*	@ Melatonin (Prevention 3) (Listed As: Prevention 3 (Melatonin))	73-31-4	54	*
@ Luperox TBH70 (Listed As: tert-Butyl hydroperoxide)	75-91-2	51	*	Melphalan	148-82-3	49	17
@ Luperox TBH70 (Listed As: tert-Butyl hydroperoxide)	75-91-2	51	*	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Magnetic fields (EMF)	ELECTROMAG	44	16	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Magnetic fields (EMF)	ELECTROMAG	53	*	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Magnetic fields (EMF)	ELECTROMAG	37	16	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Magnetic fields + DMBA initiation promotion	EMF+DMBA	37	16	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Malachite green	569-64-2	44	16	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Malachite green	569-64-2	37	16	@ Melphalan (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Melphalan))	148-82-3	55	*
Malaoxon	1634-78-2	44	16	DL-menthol	15356-70-4	45	16
Malathion	121-75-5	44	16	2-Mercaptobenzimidazole	583-39-1	53	*
Malathion	121-75-5	44	16	2-Mercaptobenzimidazole	583-39-1	53	*
@ Melatonin + silymarin (Prevention 2) (Listed As: Prevention 2 (Silymarin + melatonin))	SILYMARN+MEL	54	*	2-Mercaptobenzothiazole	149-30-4	45	16
Malonaldehyde, sodium salt	24382-04-5	44	16	6-Mercaptopurine	50-44-2	49	17
@ MAN (Listed As: Methacrylonitrile)	126-98-7		16	Mercuric chloride	7487-94-7	45	16
@ MAN (Listed As: Methacrylonitrile)	126-98-7	45	16	Merphalan	531-76-0	49	17
Manganese sulfate monohydrate	10034-96-5	37	16	Metal working fluids (Syntilo 1023)	SYNTILO1023	53	*
Manganese sulfate monohydrate	10034-96-5	44	16	Metal Working Fluids: CIMSTAR 3800	CIMSTAR3800	45	16
D-Mannitol	69-65-8	45	16	Metal working fluids (Trim SC210)	TRIMSC210	53	*
@ Marijuana component (Listed As: 1-trans-delta-9-Tetrahydrocannabinol)	1972-08-3	39	16	Metal Working Fluids: TRIM® VX	TRIMVX	45	16
@ Marijuana component (Listed As: 1-trans-delta-9-Tetrahydrocannabinol)	1972-08-3	47	16	Methacrylonitrile	126-98-7		16
Melamine	108-78-1	45	16	Methacrylonitrile	126-98-7	45	16
Melamine + Cyanuric Acid combination	MELCYANCOMB	53	*	Methapyrilene hydrochloride	135-23-9	49	17
Melamine + Cyanuric Acid combination	MELCYANCOMB	53	*	Methapyrilene hydrochloride	135-23-9	53	*
Melamine + Cyanuric Acid combination	MELCYANCOMB	53	*	Methapyrilene hydrochloride	135-23-9	37	16
Melamine + Cyanuric Acid combination	MELCYANCOMB	32	4	Methdilazine	1982-37-2	53	*
Melatonin	73-31-4	53	*	@ N-methololacrylamide (Transgenic model evaluation) (Listed As: Transgenic model evaluation (N-Methylolacrylamide))	924-42-5	56	*
Melatonin	73-31-4	53	*	@ N-methololacrylamide (Transgenic model evaluation) (Listed As: Transgenic model evaluation (N-Methylolacrylamide))	924-42-5	56	*
@ Melatonin + curcumin (Prevention 4) (Listed As: Prevention 4 (Melatonin + curcumin))	MEL+CURCUMIN	54	*	Methotrexate	59-05-2	49	17
@ Melatonin + indole-3-carbinol (Prevention 4) (Listed As: Prevention 4 (Melatonin + indole-3-carbinol))	MEL+INDOLCAR	54	*	6-Methoxy-2-benzothiazolamine	1747-60-0	53	*
@ Melatonin (Prevention 2) (Listed As: Prevention 2 (Melatonin))	73-31-4	54	*	Methoxychlor	72-43-5	45	16
				@ Methoxyethanol (Listed As: NTP-88 diet study (EGMME))	DIET88+EGMME	53	*
				2-Methoxy-4-nitroaniline	97-52-9	53	*
				8-Methoxypsoralen	298-81-7	45	16
				4-(6-Methyl-2-benzothiazolyl)-benzenamine	92-36-4	53	*

@ 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
alpha-Methylbenzyl alcohol	98-85-1	45	16
Methyl bromide	74-83-9	37	16
Methyl bromide	74-83-9	45	16
Methyl bromide	74-83-9	37	16
Methyl carbamate	598-55-0	45	16
Methyl CCNU	13909-09-6	49	17
@ Methyl chloroform (Listed As: 1,1,1-Trichloroethane)	71-55-6	48	16
@ Methyl chloroform (Listed As: 1,1,1-Trichloroethane)	71-55-6	39	16
Methyl coumarin	92-48-8	53	*
4-Methylcyclohexanemethanol	34885-03-5	38	16
Methyldopa sesquihydrate	41372-08-1	45	16
4,4'-Methylenebis(N,N-dimethyl)benzenamine	101-61-1	45	16
Methylene bis(thiocyanate)	6317-18-6	38	16
Methylene blue trihydrate	7220-79-3	53	*
Methylene blue trihydrate	7220-79-3	53	*
Methylene blue trihydrate	7220-79-3	45	16
Methylene chloride	75-09-2	45	16
4,4'-Methylenedianiline dihydrochloride	13552-44-8	45	16
Methyl ethyl ketone peroxide	1338-23-4	38	16
Methyl ethyl ketoxime	96-29-7	38	16
Methyleugenol	93-15-2	33	6
Methyleugenol	93-15-2	38	16
Methyleugenol	93-15-2	45	16
Methyleugenol (TGMX rat liver evaluation)	93-15-2	53	*
2-Methylimidazole	693-98-1	38	16
2-Methylimidazole	693-98-1	45	16
4-Methylimidazole	822-36-6	38	16
4-Methylimidazole	822-36-6	45	16
Methyl isobutyl ketone	108-10-1	45	16
Methyl isocyanate	624-83-9	49	17
6-Methylmercaptapurine ribonucleoside	342-69-8	49	17
Methyl methacrylate	80-62-6	45	16
3-Methyl-6-methoxy-2-amino-benzothiazolium chloride	EMTDP-76	53	*
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
Methylphenidate hydrochloride	298-59-9	38	16
Methylphenidate hydrochloride	298-59-9	45	16
@ Methylphenidate hydrochloride (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Methylphenidate hydrochloride))	298-59-9	56	*
alpha-Methylstyrene	98-83-9	53	*

Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
alpha-Methylstyrene	98-83-9	45	16
Methyl trans-styryl ketone	1896-62-4	53	*
Methyl trans-styryl ketone	1896-62-4	53	*
Methyl trans-styryl ketone	1896-62-4	45	16
Methyl vinyl ketone	78-94-4	53	*
@ N-Methyl-N'-nitro-N-nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
@ N-Methyl-N'-nitro-N-nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
@ N-Methyl-N'-nitro-N-nitrosoguanidine (MNNG) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
Mexacarbate	315-18-4	45	16
Michler's ketone	90-94-8	45	16
Microbiome	MICROBIOME	33	6
Microcystin-LA (TGMX)	96180-79-9	53	*
Microcystin-LR (TGMX)	101043-37-2	53	*
Microcystin mixture (TGMX)	MICROCYSTINMX	53	*
Milk thistle extract	84604-20-6	45	16
Milk thistle extract	84604-20-6	33	6
Mirex	2385-85-5	45	16
Mitomycin C	50-07-7	50	17
Molybdenum trioxide	1313-27-5	38	16
Molybdenum trioxide	1313-27-5	45	16
Monochloroacetic acid	79-11-8	45	16
Monuron	150-68-5	45	16
@ 8-MOP (Listed As: 8-Methoxy psoralen)	298-81-7	45	16
Mouse ageing study	MOUSEAGE	50	17
@ MVK (Listed As: Methyl vinyl ketone)	78-94-4	53	*
@ MX (Listed As: 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX))	77439-76-0	51	*
beta-Myrcene	123-35-3	45	16
Myristicin	607-91-0	38	16
Nalidixic acid	389-08-2	45	16
Nanoscale Material (Fullerene C60 18 microns)	99685-96-8	32	3
Nanoscale material (Fullerene-C60 1 micron)	99685-96-8	38	16
Nanoscale Material (Fullerene C60 200 nanometers)	99685-96-8	32	3
Nanoscale material (Fullerene-C60 50 nanometers)	99685-96-8	38	16
Nanoscale material (Quantum dots)	QUANTUMDOTS	53	*
Nanoscale material (Rutile titanium dioxide)	1317-80-2	53	*
Nanoscale Silver	7440-22-4	53	*
Naphthalene	91-20-3	45	16
Naphthalene	91-20-3	45	16

@ 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
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	38	16
@ NBBS (Listed As: N-Butylbenzenesulfonamide)	3622-84-2	32	5	o-Nitrotoluene	88-72-2	38	16
@ NBBS (Listed As: N-Butylbenzenesulfonamide)	3622-84-2	32	3	o-Nitrotoluene	88-72-2	38	16
@ NBPC (Listed As: Ionic Liquid: N-Butylpyridinium Chloride)	1124-64-7	37	16	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	38	16
Nickel (II) oxide	1313-99-1	45	16	p-Nitrotoluene	99-99-0	46	16
Nickel sulfate hexahydrate	10101-97-0	45	16	5-Nitro-o-toluidine	99-55-8	46	16
Nickel subsulfide	12035-72-2	45	16	@ NNK (Listed As: Ozone/NNK)	OZONNNKCOMB	46	16
Nithiazide	139-94-6	45	16	@ NTA (Listed As: Nitrilotriacetic acid (NTA))	139-13-9	45	16
Nitrilotriacetic acid (NTA)	139-13-9	45	16	NTP-2000 diet	DIET2000	53	*
Nitrilotriacetic acid trisodium monohydrate	18662-53-8	45	16	NTP 90 diet study	DIET90	50	17
Nitrilotriacetic acid trisodium monohydrate	18662-53-8	45	16	NTP 91/92 diet study	DIET9192	50	17
5-Nitroacenaphthene	602-87-9	45	16	NTP-88 diet study (EGMBE)	DIET88+EGMBE	53	*
3-Nitro-p-acetophenetide	1777-84-0	45	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	45	16	NTP-88 diet study (m-Nitrotoluene)	DIET88+MNITR	53	*
5-Nitro-o-anisidine	99-59-2	45	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	45	16	Ochratoxin A	303-47-9	46	16
4-Nitroanthranilic acid	619-17-0	45	16	Phenolic Benzotriazoles (Octrizole)	3147-75-9	33	6
Nitrobenzene	98-95-3	53	*	Oleic acid diethanolamine condensate	93-83-4	46	16
6-Nitrobenzimidazole	94-52-0	45	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	38	16	@ Orange 10, C.I.Acid (Listed As: C.I. Acid Orange 10)	1936-15-8	41	16
p-Nitrobenzoic acid	62-23-7	45	16	@ Orange 3, C.I. Acid (Listed As: C.I. Acid Orange 3)	6373-74-6	41	16
Nitrofen	1836-75-5	45	16	Oxazepam	604-75-1	46	16
Nitrofen	1836-75-5	45	16	Oxazepam	604-75-1	46	16
Nitrofurantoin	67-20-9	45	16	4,4'-Oxydianiline	101-80-4	46	16
Nitrofurazone	59-87-0	45	16	Oxymetholone	434-07-1	53	*
Nitrofurazone	59-87-0	50	17	Oxymetholone	434-07-1	46	16
Nitromethane	75-52-5	45	16	Oxytetracycline hydrochloride	2058-46-0	46	16
1-Nitronaphthalene	86-57-7	45	16	Ozone	10028-15-6	46	16
p-Nitrophenol	100-02-7	45	16	Ozone	10028-15-6	46	16
2-Nitro-p-phenylenediamine	5307-14-2	45	16	Ozone/NNK	OZONNNKCOMB	46	16
4-Nitro-o-phenylenediamine	99-56-9	45	16	Parathion	56-38-2	46	16
5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	2608-48-2	53	*				
5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	2608-48-2	53	*				
3-Nitropropionic acid	504-88-1	45	16				
1-Nitropyrene	5522-43-0	38	16				
N-Nitrosodiethanolamine	1116-54-7	53	*				
N-Nitrosodimethylamine (TGMX rat liver evaluation)	62-75-9	53	*				
N-Nitrosodiphenylamine	86-30-6	45	16				

@ 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
@ 2,5-PCADPE (Listed As: 2,5-Pyridinedicarboxylic Acid, Dipropyl Ester)	136-45-8	54	*	Pentachloroanisole	1825-21-4	46	16
@ PCB 126/PECDF mixture (TEF transgenics) (Listed As: TEF transgenics (PCB 126 / PECDF mixture))	TEFTGMIXTURE	54	*	Pentachlorobenzene	608-93-5	38	16
@ PCB 126 (TEF transgenics) (Listed As: TEF transgenics (PCB 126))	57465-28-8	54	*	3,3,4,4,5-Pentachlorobiphenyl (PCB 126)	57465-28-8	53	*
@ 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	@ Pentachlorodibenzofuran (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PECDF (Pentachlorodibenzofuran)))	57117-31-4	47	16
@ 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	Pentachloroethane	76-01-7	46	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	34	12	@ Pentachloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (Pentachloroethane))	76-01-7	37	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	41	16	Pentachloronitrobenzene	82-68-8	46	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	Pentachloronitrobenzene	82-68-8	46	16
@ PCBTF (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	Pentachlorophenol, Dovicide EC-7	87-86-5	46	16
@ PCB-118 (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PCB 118))	31508-00-6	47	16	Pentachlorophenol, DP-2	87-86-5	38	16
PCN 66/67 comparison study	PCNCOMPARISN	38	16	Pentachlorophenol, purified	87-86-5	38	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	34	12	Pentachlorophenol, purified	87-86-5	46	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	41	16	Pentachlorophenol, technical	87-86-5	46	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	@ Pentachlorophenol (Transgenic LECM) (Listed As: Transgenic LECM (Pentachlorophenol))	87-86-5	55	*
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	@ Pentachlorophenol (Transgenic LECM) (Listed As: Transgenic LECM (Pentachlorophenol))	87-86-5	55	*
@ PCB-118 (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (PCB 118))	31508-00-6	47	16	Pentaerythritol tetranitrate	78-11-5	46	16
PCN 66/67 comparison study	PCNCOMPARISN	38	16	Pentaerythritol triacrylate	3524-68-3	35	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	34	12	Pentaerythritol triacrylate	3524-68-3	35	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	41	16	2,3-Pentanedione	600-14-6	38	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	@ Perchloroethylene (Listed As: Tetrachloroethylene)	127-18-4	47	16
@ PCTFT (Listed As: p-Chloro-a,a,a-trifluorotoluene)	98-56-6	36	16	@ Perchloroethylene (Listed As: Tetrachloroethylene)	127-18-4	47	16
@ PECDF (TEF transgenics) (Listed As: TEF transgenics (PECDF))	57117-31-4	54	*	Perfluorobutane sulfonate (PFBS)	375-73-5	38	16
Penicillin VK	132-98-9	46	16	Perfluorodecanoic Acid	335-76-2	38	16
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	46	16	Perfluorohexane sulfonate potassium salt (PFHKSslt)	3871-99-6	38	16
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	53	*	Perfluorohexanoic acid (PFHXA)	307-24-4	38	16
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	53	*	Perfluorononanoic Acid	375-95-1	38	16
Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	32534-81-9	33	6	Perfluorooctane Sulfonate	1763-23-1	38	16
@ Pentabromoethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (Pentabromoethane))	75-95-6	37	16	Perfluorooctanoic Acid	335-67-1	46	16
				Perfluorooctanoic Acid	335-67-1	46	16
				Perfluorooctanoic Acid	335-67-1	53	*
				Perfluorooctanoic Acid	335-67-1	38	16
				Perfluorooctanoic Acid	335-67-1	53	*
				Peroxisome project (Dibutyl phthalate)	84-74-2	53	*
				Peroxisome project (2,4-Dichlorophenoxyacetic acid)	94-75-7	54	*
				Peroxisome project (Gemfibrozil)	25812-30-0	54	*
				Peroxisome project (WY-14643)	50892-23-4	38	16
				Pesticide/fertilizer contamination--mixture 2	PESTFERTMIX2	38	16
				Pesticide/fertilizer contamination--mixture 3	PESTFERTMIX3	38	16

@ 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
@ PETA (Listed As: Pentaerythritol triacrylate)	3524-68-3	35	16	ortho-Phthalaldehyde	643-79-8	38	16
@ PETA (Listed As: Pentaerythritol triacrylate)	3524-68-3	35	16	Phthalamide	88-96-0	46	16
@ PFDA (Listed As: Perfluorodecanoic Acid)	335-76-2	38	16	Phthalic anhydride	85-44-9	46	16
@ PFNA (Listed As: Perfluorononanoic Acid)	375-95-1	38	16	Picloram	1918-02-1	46	16
@ PGTBE (Listed As: Propylene glycol mono-t-butyl ether)	57018-52-7	46	16	beta-Picoline	108-99-6	46	16
Phenazopyridine hydrochloride	136-40-3	46	16	Piperonyl butoxide	51-03-6	46	16
Phenesterin	3546-10-9	46	16	Piperonyl sulfoxide	120-62-7	46	16
Phenformin hydrochloride	834-28-6	46	16	Pivalolactone	1955-45-9	46	16
Phenobarbital	50-06-6	54	*	Polybrominated biphenyl mixture (Firemaster FF-1)	67774-32-7	46	16
Phenol	108-95-2	46	16	Polybrominated biphenyl mixture (Firemaster FF-1)	67774-32-7	46	16
Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)phenol)	10096-91-0	33	6	Polysorbate 80 (glycol)	9005-65-6	46	16
Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol)	25973-55-1	33	6	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	6	Polyvinyl alcohol	9002-89-5	46	16
Phenolic Benzotriazoles (2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol)	3864-99-1	33	6	Prednisone	53-03-2	50	17
Phenolic Benzotriazoles (Bumetrizole)	3896-11-5	33	6	Pregnancy Rate Comparison Study	PREGRATECOMP	54	*
Phenolphthalein	77-09-8	38	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	35	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	*
o-Phenylphenol	90-43-7	46	16	Prevention 4 (Indole-3-carbinol)	700-06-1	54	*
N-Phenyl-p-phenylenediamine	101-54-2	46	16	Prevention 6 (isoflavone concentrate)	ISOFLAVCONCN	54	*
1-Phenyl-2-thiourea	103-85-5	46	16	Prevention 4 (Melatonin)	73-31-4	54	*
@ Phenytoin (Listed As: 5,5-Diphenylhydantoin (phenytoin))	57-41-0	43	16	Prevention 5 (Melatonin)	73-31-4	54	*
@ Phorbol myristate acetate (Listed As: Tetradecanoyl phorbol acetate (TPA))	16561-29-8	54	*	Prevention 4 (Melatonin + curcumin)	MEL+CURCUMIN	54	*
Phosphamidon	13171-21-6	46	16	Prevention 4 (Melatonin + indole-3-carbinol)	MEL+INDOLCAR	54	*
Phosphine	7803-51-2	54	*	Prevention 10 (Soy isoflavone concentrate)	PREVENTION10	54	*
Photodieldrin	13366-73-9	46	16	Primidone (primaclone)	125-33-7	46	16
				Probenecid	57-66-9	46	16
				Procabazine hydrochloride	366-70-1	50	17
				Procabazine hydrochloride	366-70-1	46	16
				Proflavin hydrochloride	952-23-8	46	16
				Promethazine hydrochloride	58-33-3	38	16
				Promethazine hydrochloride	58-33-3	46	16
				Propantheline bromide	50-34-0	54	*
				Propargyl alcohol	107-19-7	46	16
				Propylene	115-07-1	46	16
				@ Propylene dichloride (Listed As: 1,2-Dichloropropane (propylene dichloride))	78-87-5	42	16
				Propylene glycol mono-t-butyl ether	57018-52-7	46	16
				Propylene glycol phenyl ether	770-35-4	38	16

@ 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
1,2-Propylene oxide	75-56-9	46	16	Retinoid project 2 (4-(Hydroxyphenyl)retinamide)	65646-68-6	54	*
Propyl gallate	121-79-9	46	16	Retinoid project 1	RETINOID1	54	*
Propyl-4-hydroxybenzoate	94-13-3	32	2	Retinoid project 3 (Retinol acetate)	127-47-9	54	*
Pulegone	89-82-7	33	6	Retinoid project 4 (4-(Hydroxyphenyl)retinamide)	65646-68-6	54	*
Pulegone	89-82-7	46	16	Retinoid project 5 (4-(Hydroxyphenyl)retinamide)	65646-68-6	54	*
Pyrazinamide	98-96-4	46	16	Retinoid project 6 (Arotinoid)	125533-88-2	54	*
Pyridine	110-86-1	54	*	Retinoid project 3 (Arotinoid)	125533-88-2	54	*
Pyridine	110-86-1	46	16	Retinoid project 5 (Arotinoid)	125533-88-2	54	*
Pyridine	110-86-1	47	16	Retinoid project 6 (4-HPR)	65646-68-6	54	*
2,5-Pyridinedicarboxylic Acid, Dipropyl Ester	136-45-8	54	*	All-trans-retinyl palmitate	79-81-2	47	16
@ Pyridine (Transgenic LECM) (Listed As: Transgenic LECM (Pyridine))	110-86-1	55	*	Retroviral vectors	RETROVIRVECT	54	*
@ Pyridine (Transgenic LECM) (Listed As: Transgenic LECM (Pyridine))	110-86-1	55	*	Retroviral vectors	RETROVIRVECT	54	*
Pyrilamine	91-84-9	47	16	Retroviral vectors	RETROVIRVECT	54	*
Pyrimethamine	58-14-0	47	16	Retroviral vectors	RETROVIRVECT	54	*
Pyrogallol	87-66-1	47	16	Rhodamine 6G	989-38-8	47	16
QT drugs (bepriidil hydrochloride)	74764-40-2	54	*	@ Rhothane (TDE) (Listed As: Tetrachlorodiphenylethane)	72-54-8	47	16
QT drugs (diltiazem hydrochloride)	33286-22-5	54	*	Riddelliine	23246-96-0	38	16
QT drugs (Loratadine)	79794-75-5	54	*	Riddelliine	23246-96-0	47	16
QT drugs (Lovastatin)	75330-75-5	54	*	@ Ritalin hydrochloride (Listed As: Methylphenidate hydrochloride)	298-59-9	38	16
QT drugs (sotalol hydrochloride)	959-24-0	54	*	@ Ritalin hydrochloride (Listed As: Methylphenidate hydrochloride)	298-59-9	45	16
QT drugs (terfenadine)	50679-08-8	54	*	Rotenone	83-79-4	50	17
Quercetin	117-39-5	47	16	Rotenone	83-79-4	47	16
Rat feed study (TGMX rat liver evaluation)	TGMXRALVFEEED	54	*	@ Rotenone (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Rotenone))	83-79-4	56	*
@ Red 114, C.I. Acid (Listed As: C.I. Acid Red 114)	6459-94-5	41	16	@ Rotenone (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Rotenone))	83-79-4	56	*
@ Red 14, C.I. Acid (Listed As: C.I. Acid Red 14)	3567-69-9	41	16	@ Roundup@ (Listed As: Glyphosate)	1071-83-6	37	16
@ Red 9, C.I. Acid (Listed As: C.I. Basic Red 9 Monohydrochloride)	569-61-9	41	16	@ Roundup@ (Listed As: Glyphosate)	1071-83-6	37	16
@ Red 23, C.I. Pigment (Listed As: C.I. Pigment Red 23)	6471-49-4	41	16	Roxarsone	121-19-7	47	16
@ Red 3, C.I. Pigment (Listed As: C.I. Pigment Red 3)	2425-85-6	41	16	Safflower oil	8001-23-8	47	16
@ Red Dog Mine Ore (Alaska) (Listed As: Lead ores)	LEADORES	53	*	Salicylazosulfapyridine	599-79-1	38	16
@ Red 3, HC (Listed As: HC Red 3)	2871-01-4	44	16	Salicylazosulfapyridine	599-79-1	47	16
@ Red No. 9, D&C (Listed As: D&C Red No. 9)	5160-02-1	42	16	@ Salicylic acid (alpha/beta Hydroxy acids) (Listed As: alpha/beta Hydroxy acids (glycolic acid, salicylic acid))	HYDROXYGLYSAL	39	16
Reserpine	50-55-5	47	16	Scopolamine hydrobromide trihydrate	6533-68-2	38	16
Reserpine	50-55-5	54	*	Scopolamine hydrobromide trihydrate	6533-68-2	54	*
Resorcinol	108-46-3	47	16	Scopolamine hydrobromide trihydrate	6533-68-2	47	16
@ Resorcinol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Resorcinol))	108-46-3	56	*	@ Selenate, Sodium (Listed As: Sodium selenate)	13410-01-0	38	16
@ Resorcinol (Transgenic model evaluation) (Listed As: Transgenic model evaluation (Resorcinol))	108-46-3	56	*				
Resveratrol	501-36-0	47	16				

@ 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
@ Selenite, Sodium (Listed As: Sodium selenite)	10102-18-8	38	16	Stachybotrys chartarum strain 1 mold (macrocytic trichothecene chemotype)	STACHYSTRN1	32	3
Selenium sulfide	7446-34-6	47	16	Stachybotrys chartarum strain 2 mold (atranone chemotype)	STACHYSTRN2	32	3
Selenium sulfide	7446-34-6	47	16	Stannous chloride	7772-99-8	47	16
Selsun	EMTDP-74	47	16	Stoddard solvent (type LIC)	64742-88-7	47	16
Senna (powdered)	8013-11-4	38	16	Streptozotocin	18883-66-4	50	17
Senna (powdered)	8013-11-4	38	16	Styrene	100-42-5	47	16
Serotype 5 Adeno-associated Viral Vector (rAAV5SCTLA4:lg)	RAV5SCTLA4IG	38	16	Styrene	100-42-5	54	*
Serotype 2 Adeno-associated Viral Vector rAAV2rapahEpo	AAVIRA0VHEPO	38	16	Styrene-acrylonitrile trimer	SANTRIMER2	47	16
Serotype 2 Adeno-associated Viral Vector hAQPl (rAAV2hAQPl)	AAV2HAQP1	38	16	Styrene oxide	96-09-3	50	17
Silica, crystalline - quartz	14808-60-7	54	*	Succinic anhydride	108-30-5	47	16
Silica, crystalline - quartz	14808-60-7	54	*	Sulfallate	95-06-7	47	16
Silica, crystalline - quartz	14808-60-7	54	*	Sulfamethazine	57-68-1	47	16
@ Silymarin + melatonin (Prevention 2) (Listed As: Prevention 2 (Silymarin + melatonin))	SILYMARN+MEL	54	*	Sulfamethazine	57-68-1	47	16
@ SILYMARIN (PREVENTION 2) (Listed As: Prevention 2 (Silymarin))	65666-07-1	54	*	Sulfisoxazole	127-69-5	47	16
Simazine	122-34-9	54	*	Sulfolane	126-33-0	54	*
Sodium azide	26628-22-8	47	16	Sulfolane	126-33-0	33	8
@ Sodium bromate (Water disinfection mode) (Listed As: Water disinfection model (Sodium bromate))	7789-38-0	35	16	3-Sulfolene	77-79-2	47	16
@ Sodium bromate (Water disinfection mode) (Listed As: Water disinfection model (Sodium bromate))	7789-38-0	35	16	4,4'-Sulfonyldianiline (Dapsone)	80-08-0	47	16
@ Sodium bromate (Water disinfection mode) (Listed As: Water disinfection model (Sodium bromate))	7789-38-0	35	16	@ Sunett (Listed As: Transgenic Model Evaluation II (Acesulfame Potassium))	55589-62-3	35	16
@ Sodium chlorate (Water disinfection byproducts) (Listed As: Water disinfection byproducts (Sodium chlorate))	7775-09-9	49	16	Talc	14807-96-6	47	16
Sodium cyanide	143-33-9		16	Tara gum	39300-88-4	47	16
Sodium dichromate dihydrate (VI)	7789-12-0	47	16	@ TBA (Listed As: tert-Butyl alcohol)	75-65-0	41	16
Sodium dichromate dihydrate (VI)	7789-12-0	38	16	@ TBA (Listed As: tert-Butyl alcohol)	75-65-0	36	16
Sodium diethyldithiocarbamate	148-18-5	47	16	@ TBBC (Listed As: 4,4-Thiobis(6- tert-butyl-m-cresol))	96-69-5	54	*
Sodium Fluoride	7681-49-4	47	16	@ TBBC (Listed As: 4,4-Thiobis(6- tert-butyl-m-cresol))	96-69-5	48	16
Sodium Fluoride	7681-49-4	50	17	@ TBDP (Listed As: tert-Butylphenyl Diphenyl Phosphate)	56803-37-3	51	*
Sodium Metavanadate	13718-26-8	38	16	@ TBE (Listed As: Halogenated ethanes CS (1,1,2,2- Tetrabromoethane))	79-27-6	37	16
Sodium nitrite	7632-00-0	38	16	@ TCAB (Listed As: 3,3',4,4'- Tetrachloroazobenzene)	14047-09-7	54	*
Sodium nitrite	7632-00-0	47	16	@ TCAB (Listed As: 3,3',4,4'- Tetrachloroazobenzene)	14047-09-7	38	16
Sodium selenate	13410-01-0	38	16	@ TCAB (Listed As: 3,3',4,4'- Tetrachloroazobenzene)	14047-09-7	38	16
Sodium selenite	10102-18-8	38	16	@ TCAB (Listed As: 3,3',4,4'- Tetrachloroazobenzene)	14047-09-7	47	16
Sodium thioglycolate	367-51-1	38	16	@ TCAB (Listed As: 3,3',4,4'- Tetrachloroazobenzene)	14047-09-7	33	6
Sodium Tungstate Dihydrate	10213-10-2	34	10	@ TCAOB (Listed As: 3,3',4,4'- Tetrachloroazoxybenzene)	21232-47-3	38	16
Sodium xylenesulfonate	1300-72-7	38	16				
Sodium xylenesulfonate	1300-72-7	47	16				
@ Spy Dust (Listed As: 5-(4-Nitrophenyl)- 2,4-pentadien-1-al (NPPD))	2608-48-2	53	*				
@ Spy Dust (Listed As: 5-(4-Nitrophenyl)- 2,4-pentadien-1-al (NPPD))	2608-48-2	53	*				

@ 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
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	Tetrabromobisphenol A	79-94-7	47	16
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	21850-44-2	38	16
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	54	*
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	54	*
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	38	16
@ TCDD (Listed As: Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin))	1746-01-6	56	*	@ 1,1,1,2-Tetrabromoethane (Halogenated ethanes CS)	630-16-0	37	16
@ TCDD (TEF transgenics) (Listed As: TEF transgenics (TCDD))	1746-01-6	54	*	(Listed As: Halogenated ethanes CS (1,1,1,2-Tetrabromoethane))			
@ TCDD (Toxic equivalency factor evaluation) (Listed As: Toxic equivalency factor evaluation (TCDD))	1746-01-6	47	16	Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	38	16
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	@ 1,1,1,2-Tetrachloroethane (Halogenated ethanes CS)	630-20-6	37	16
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	56	*	(Listed As: Halogenated ethanes CS (1,1,1,2-Tetrachloroethane))			
@ TCP (Listed As: Tricresyl Phosphate)	1330-78-5	48	16	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	54	*
@ TCPP (Listed As: Tris(Chloropropyl)phosphate)	13674-84-5	33	6	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	38	16
@ TCPP (Listed As: Tris(Chloropropyl)phosphate)	13674-84-5	48	16	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	38	16
Tebufenpyrad	119168-77-3	54	*	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	47	16
Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153)	TEFBINARYMIX	47	16	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	33	6
Toxic equivalency factor evaluation (PECDF (Pentachlorodibenzofuran))	57117-31-4	47	16	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	38	16
Toxic equivalency factor evaluation (PCB 118)	31508-00-6	47	16	3,3',4,4'-Tetrachloroazobenzene	14047-09-7	33	6
Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118)	TEFPCEBMIX	47	16	3,3',4,4'-Tetrachloroazoxybenzene	21232-47-3	38	16
Toxic equivalency factor evaluation (TCDD)	1746-01-6	47	16	1,2,4,5-Tetrachlorobenzene	95-94-3	39	16
TEF transgenics (PCB 126)	57465-28-8	54	*	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	47	16
TEF transgenics (PCB 126 / PECDF mixture)	TEFTGMIXTURE	54	*	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	47	16
TEF transgenics (PECDF)	57117-31-4	54	*	Tetrachlorodiphenylethane	72-54-8	47	16
TEF transgenics (TCDD)	1746-01-6	54	*	1,1,1,2-Tetrachloroethane	630-20-6	47	16
@ TELONE II (Listed As: 1,3-Dichloropropene (Telone II))	542-75-6	42	16	1,1,2,2-Tetrachloroethane	79-34-5	47	16
@ TEMIK (Listed As: Aldicarb)	116-06-3	39	16	1,1,2,2-Tetrachloroethane	79-34-5	39	16
2-ethylhexyl-2,3,4,5-tetrabromobenzoate	183658-27-7	33	8	1,1,2,2-Tetrachloroethane	79-34-5	54	*
Tetrabromobisphenol A	79-94-7	54	*	1,1,2,2-Tetrachloroethane	79-34-5	39	16
Tetrabromobisphenol A	79-94-7	33	6	@ 1,1,2,2-Tetrachloroethane (Halogenated ethanes CS)	79-34-5	37	16
				(Listed As: Halogenated ethanes CS (1,1,2,2-Tetrachloroethane))			
				Tetrachloroethylene	127-18-4	47	16
				Tetrachloroethylene	127-18-4	47	16
				2,3,5,6-Tetrachloro-4-nitroanisole	2438-88-2	47	16
				Tetrachlorophthalic anhydride	117-08-8	39	16
				Tetrachlorovinphos	961-11-5	47	16
				Tetracycline hydrochloride	64-75-5	47	16
				Tetradecanoyl phorbol acetate (TPA)	16561-29-8	54	*
				@ Tetradecanoylphorbol acetate (TPA)	INIT/PROM	44	16
				(Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))			
				@ Tetradecanoylphorbol acetate (TPA)	INIT/PROM	44	16
				(Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))			

@ 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
@ Tetradecanoylphorbol acetate (TPA) (Listed As: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG))	INIT/PROM	44	16
@ Tetradecanoyl phorbol acetate (TPA) (Transgenic LECM) (Listed As: Transgenic LECM (Tetradecanoyl phorbol acetate (TPA)))	16561-29-8	55	*
Tetraethylthiuram disulfide	97-77-8	47	16
Tetrafluoroethylene	116-14-3	39	16
Tetrafluoroethylene	116-14-3	47	16
1-trans-delta-9-Tetrahydrocannabinol	1972-08-3	39	16
1-trans-delta-9-Tetrahydrocannabinol	1972-08-3	47	16
Tetrahydrofuran	109-99-9	54	*
Tetrahydrofuran	109-99-9	39	16
Tetrahydrofuran	109-99-9	47	16
Tetrakis(hydroxymethyl)phosphonium chloride	124-64-1	47	16
Tetrakis(hydroxymethyl)phosphonium sulfate	55566-30-8	47	16
Tetralin	119-64-2	47	16
Tetranitromethane	509-14-8	47	16
@ TGMX rat liver evaluation) (Methyleugenol) (Listed As: Methyleugenol (TGMX rat liver evaluation))	93-15-2	53	*
@ TGMX rat liver evaluation (N-Nitrosodimethylamine) (Listed As: N-Nitrosodimethylamine (TGMX rat liver evaluation))	62-75-9	53	*
Thallium (I) sulfate	7446-18-6	33	6
Theophylline	58-55-9	39	16
Theophylline	58-55-9	39	16
Theophylline	58-55-9	47	16
4,4-Thiobis(6-tert-butyl-m-cresol)	96-69-5	54	*
4,4-Thiobis(6-tert-butyl-m-cresol)	96-69-5	48	16
4,4'-Thiodianiline	139-65-1	48	16
beta-Thioguanidine deoxyriboside	789-61-7	48	16
Thiophene	110-02-1	55	*
@ thio-TEPA (Listed As: tris(Aziridinyl)-phosphine sulfide (Thio-TEPA))	52-24-4	48	16
@ THPC (Listed As: Tetrakis(hydroxymethyl)phosphonium chloride)	124-64-1	47	16
@ THPS (Listed As: Tetrakis(hydroxymethyl)phosphonium sulfate)	55566-30-8	47	16
alpha-Thujone	546-80-5	39	16
alpha/beta Thujone mixture	76231-76-0	33	6
alpha/beta Thujone mixture	76231-76-0	39	16
alpha/beta Thujone mixture	76231-76-0	48	16
Titanium dioxide	13463-67-7	48	16
Titanocene dichloride	1271-19-8	48	16

Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
@ TMPTA (Listed As: Trimethylolpropane triacrylate)	15625-89-5	35	16
@ TMPTA (Listed As: Trimethylolpropane triacrylate)	15625-89-5	35	16
@ TMPTA (Listed As: Trimethylolpropane triacrylate)	15625-89-5	48	16
D-alpha-Tocopheryl acetate	58-95-7	55	*
Tolazamide	1156-19-0	48	16
Tolbutamide	64-77-7	48	16
Toluene	108-88-3	48	16
Toluene	108-88-3	39	16
2,6-Toluenediamine dihydrochloride (2,6-diaminotoluene dihydrochloride)	15481-70-6	48	16
2,5-Toluenediamine sulfate	6369-59-1	48	16
2,4- & 2,6-Toluene diisocyanate	26471-62-5	48	16
p-Toluenesulfonamide	70-55-3	39	16
o-Toluidine hydrochloride	636-21-5	48	16
o-Toluidine hydrochloride	636-21-5	39	16
p-Toluidine	106-49-0	34	10
p-Tolylurea	622-51-5	50	17
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	*
Transgenic LECM (Coconut oil acid diethanolamine condensate)	68603-42-9	55	*
Transgenic LECM (Coconut oil acid diethanolamine condensate)	68603-42-9	55	*
Transgenic LECM (Furfuryl alcohol)	98-00-0	55	*
Transgenic LECM (Lauric acid diethanolamine condensate)	120-40-1	55	*
Transgenic LECM (Lauric acid diethanolamine condensate)	120-40-1	55	*
Transgenic LECM (Oleic acid diethanolamine condensate)	93-83-4	55	*
Transgenic LECM (Oleic acid diethanolamine condensate)	93-83-4	55	*
Transgenic LECM (Pentachlorophenol)	87-86-5	55	*
Transgenic LECM (Pentachlorophenol)	87-86-5	55	*
Transgenic LECM (Pyridine)	110-86-1	55	*
Transgenic LECM (Pyridine)	110-86-1	55	*
Transgenic LECM (Tetradecanoyl phorbol acetate (TPA))	16561-29-8	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				Alphabetical Index of Chemicals with Reference Location			
CHEMICAL NAME	CASRN	PAGE	REF	CHEMICAL NAME	CASRN	PAGE	REF
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	56	*
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 (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 (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 model evaluation (WY-14643)	50892-23-4	56	*
Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	15481-70-6	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 (Di(2-ethylhexyl) phthalate)	117-81-7	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 (Ethinyl estradiol)	57-63-6	55	*	Tribromomethane	75-25-2	48	16
Transgenic model evaluation (Ethinyl estradiol)	57-63-6	55	*	Tricaprylin	538-23-8	48	16
Transgenic model evaluation (8-Hydroxyquinoline)	148-24-3	55	*	Trichlorofon	52-68-6	56	*
Transgenic model evaluation (8-Hydroxyquinoline)	148-24-3	55	*	1,1,1-Trichloroethane	71-55-6	48	16
Transgenic Model Evaluation II (Acesulfame Potassium)	55589-62-3	35	16	1,1,1-Trichloroethane	71-55-6	39	16
Transgenic model evaluation II (Aspartame)	22839-47-0	35	16	1,1,2-Trichloroethane	79-00-5	48	16
Transgenic model evaluation II (Aspartame)	22839-47-0	35	16	@ 1,1,1-Trichloroethane (Halogenated ethanes CS) (Listed As: Halogenated ethanes CS (1,1,1-Trichloroethane))	71-55-6	37	16
Transgenic model evaluation II (Benzene)	71-43-2	35	16	Trichloroethylene	79-01-6	48	16
Transgenic model evaluation II (Glycidol)	556-52-5	35	16	Trichloroethylene	79-01-6	48	16
Transgenic model evaluation II (Phenolphthalein)	77-09-8	35	16	Trichloroethylene	79-01-6	48	16
Transgenic model evaluation (Melphalan)	148-82-3	55	*	Trichloroethylene	79-01-6	56	*
Transgenic model evaluation (Melphalan)	148-82-3	55	*	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	*

@ 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
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	37	16
Triclocarban	101-20-2	32	2
Triclosan	3380-34-5	56	*
Triclosan	3380-34-5	48	16
Triclosan	3380-34-5	33	6
Tricresyl Phosphate	1330-78-5	56	*
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	33	6
Trimethylolpropane triacrylate	15625-89-5	35	16
Trimethylolpropane triacrylate	15625-89-5	35	16
Trimethylolpropane triacrylate	15625-89-5	48	16
Trimethylphosphate	512-56-1	48	16
Trimethylsilyldiazomethane (TMSD)	18107-18-1	33	6
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	33	6
Triphenyltin hydroxide	76-87-9	48	16
Tripolidine	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	33	6
Tris(Chloropropyl)phosphate	13674-84-5	48	16
tris(2,3-Dibromopropyl) phosphate	126-72-7	48	16
tris(2-Ethylhexyl)phosphate	78-42-2	48	16
Trisodium ethylenediaminetetraacetate trihydrate (EDTA)	150-38-9	48	16
L-Tryptophan	73-22-3	48	16
Turmeric, oleoresin (curcumin)	8024-37-1	48	16
Uracil mustard	66-75-1	50	17
Urethane	51-79-6	39	16
Urethane	51-79-6	48	16
Urethane + ethanol (combination)	URETHCOMB	39	16
Urethane + ethanol (combination)	URETHCOMB	48	16
Usnea Lichen	USNEALICHEN	33	6
(+)-Usnic Acid	7562-61-0	33	6

Alphabetical Index of Chemicals with Reference Location

CHEMICAL NAME	CASRN	PAGE	REF
Valerian (Valeriana officinalis L.) root extract	8057-49-6	33	6
Vanadium pentoxide	1314-62-1	39	16
Vanadium pentoxide	1314-62-1	48	16
Vanadyl sulfate	27774-13-6	39	16
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	48	16
4-Vinyl-1-cyclohexene diepoxide	106-87-6	48	16
Vinylidene Chloride	75-35-4	48	16
Vinylidene Chloride	75-35-4	48	16
Vinylidene fluoride	75-38-7	56	*
Vinyl toluene	25013-15-4	48	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	55	*
Water Damaged Building Mold Mixture	H2ODAMAGEMLD	32	3
Water disinfection byproducts (Bromochloroacetic acid)	5589-96-8	48	16
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	33	6
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	56	*
Water disinfection byproducts (Bromodichloroacetic Acid)	71133-14-7	48	16
Water disinfection byproducts (Bromodichloromethane)	75-27-4	56	*
Water disinfection byproducts (Bromodichloromethane)	75-27-4	56	*
Water disinfection byproducts (Bromodichloromethane)	75-27-4	48	16
Water disinfection byproducts (Dibromoacetic acid)	631-64-1	56	*
Water disinfection byproducts (Dibromoacetic acid)	631-64-1	48	16
Water disinfection byproducts (Dibromoacetonitrile)	3252-43-5	49	16
Water disinfection byproducts (Dichloroacetic acid)	79-43-6	56	*
Water disinfection byproducts (Sodium chlorate)	7775-09-9	49	16
Water disinfection model (Bromodichloromethane)	75-27-4	35	16
Water disinfection model (Bromodichloromethane)	75-27-4	35	16
Water disinfection model (Bromodichloromethane)	75-27-4	35	16
Water disinfection model (Bromodichloromethane)	75-27-4	35	16
Water disinfection model (Bromodichloromethane)	75-27-4	35	16
Water disinfection model (Bromodichloromethane)	75-27-4	35	16
Water disinfection model (Dichloroacetic acid)	79-43-6	35	16
Water disinfection model (Dichloroacetic acid)	79-43-6	35	16
Water disinfection model (Dichloroacetic acid)	79-43-6	35	16

@ 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
Water disinfection model (Sodium bromate)	7789-38-0	35	16
Water disinfection model (Sodium bromate)	7789-38-0	35	16
Water disinfection model (Sodium bromate)	7789-38-0	35	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	38	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	39	16
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	41	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	36	16
@ Yellow No. 11, D & C (Listed As: D&C Yellow No. 11)	8003-22-3	42	16
@ Yellow No. 6, FD & C (Listed As: FD & C Yellow No. 6)	2783-94-0	43	16
Zearalenone	17924-92-4	49	16
Zinc Carbonate, Basic	5263-02-5	49	16
Ziram	137-30-4	49	16

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

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

Ref No. 1

Chemicals Selected for General Toxicology Study by the NTP

CHEMICAL NAME	PRIMARY CAS USE NUMBER	USE
2-Ethylhexyl Diphenyl Phosphate	1241-94-7	
Microcystin LR	101043-37-2	ENVH/NATL

Ref No. 2

Chemicals with Project Leader Assigned/Study in Design

CHEMICAL NAME	PRIMARY CAS USE NUMBER	USE
Acetaminophen (4-hydroxyacetanilide)	103-90-2	DYE/SYN
Aluminum fluoride	7784-18-1	ENVH/SYN
Deoxynivalenol	51481-10-8	COMT/NATL
2,6-Diaminopyridine	141-86-6	INTR/SYN
Dong quai (Angelica sinensis root extract)	299184-76-2	DIET
2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	68631-49-2	FLAM/SYN
Propyl-4-hydroxybenzoate	94-13-3	FOOD/SYN
Triclocarban	101-20-2	PEST/SYN

Ref No. 3

Chemicals Approved for Toxicology/Carcinogenesis Study

CHEMICAL NAME	PRIMARY CAS USE NUMBER	USE
Alternaria alternata mold	ALTERNARIA	NATL/NATL
N-Butylbenzenesulfonamide	3622-84-2	PLAS/SYN
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
Stachybotrys chartarum strain 1 mold (macrocytic trichothecene chemotype)	STACHYSTRN1	NATL/NATL
Stachybotrys chartarum strain 2 mold (atranone chemotype)	STACHYSTRN2	NATL/NATL
Water Damaged Building Mold Mixture	H2ODAMAGEMLD	NATL/NATL

Ref No. 4

Chemicals Assigned to Laboratory for Toxicology/Carcinogenesis Study

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES
Air-Lung Interface Model	AIRLUNGINT		
Bisphenol S	80-09-1	ADHS	FEED M3
Dipropylene glycol phenyl ether	51730-94-0	IND/SYN	GAV HSD
2-ethyltoluene	611-14-3	LABC	INHAL M22 HSD
Melamine + Cyanuric Acid combination	MELCYANCOMB	ADHS/SYN	GAV
Tungsten Suboxide Fibers	TUNGSTENFIB	ELEC/NATL	

Ref No. 5

Short-Term Exposure Studies in Progress

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPD D* START DATE	SUBCHR START DATE
Aflatoxin B1 (TGMX)	1162-65-8	LABC/NATL	FEED	R2	
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
Decabromodiphenyl Ether	1163-19-5	FLAM	GAV	HSDE	11/16A
Dimethylamine Borane	74-94-2		DERMAL	M22 HSD	01/14A
N,N-Dimethyl-p-toluidine	99-97-8	INTR/SYN	GAV	RD M3	01/14A
2,2'-Dimorpholinodiethyl Ether	6425-39-4	IND/SYN	GAV	M22	04/16A
1,2-bis(pentabromophenyl)ethane	84852-53-9	FLAM/SYN	GAV	HSDE	11/16A
1,3,5,7,9,11-Hexabromocyclododecane	25637-99-4	FLAM	GAV	HSDE	11/16A
Hexachlorocyclopentadienyl-dibromocyclooctane	51936-55-1	FLAM/SYN	GAV	HSDE	11/16A
Isopropylated Phenol Phosphate	68937-41-7	FLAM/SYN	FEED	M22	12/14A

* 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* START DATE	SUBCHR START DATE
Acrylamide	79-06-1 COMT/SYN	GAV	HSD	04/17A	
Aspergillus fumigatus mold	ASPERGILLUS NATL/NATL	INHAL	M3		09/15A
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	
Black Cohosh	84776-26-1 DIET/NATL				
Coumarin	91-64-5 PHAR/NATL	GAV	HSD	04/17A	
Crude MCHM	CRUDEMCHM IND/SYN	GAV	HSD	09/14A	
Di(2-ethylhexyl) Phthalate	117-81-7 PLAS/SYN	GAV	HSD	03/17A	
Fenofibrate	49562-28-9 PHAR/SYN	GAV	HSD	03/17A	
Hexachlorobenzene	118-74-1 FUNG/SYN	GAV	HSD	04/17A	
Libby Amphibole 2007	LA2007 MINL/NATL	INHAL			
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	
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	
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	
Pulegone	89-82-7 DIET/N/S	GAV	HSD	03/17A	
Tetrabromobisphenol A	79-94-7 FLAM	GAV	HSD	11/16A	
3,3',4,4'-Tetrachloroazobenzene	14047-09-7 PEST/SYN	GAV	HSD	11/16A	
Thallium (I) sulfate	7446-18-6 LABC	WATER	M3 HSD	02/18A	
alpha/beta Thujone mixture	76231-76-0 COSM/NATL	GAV	HSD	07/17A	
Triclosan	3380-34-5 COSM/SYN	GAV	HSD	11/16A	
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	
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
Valerian (Valeriana officinalis L.) root extract	8057-49-6 DIET/NATL	GAV	M22		09/15A
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. 7

Long-Term Exposure Studies in Progress

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	CHRONIC START DATE
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3 N/A	IV	M1	
1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	INHAL	HSD M22	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
Phenolic Benzotriazoles (Drometrizole)	2440-22-4 IND	GAV	HSD
Ginseng	50647-08-0 DIET/NATL	GAV	HSD
Insertional Mutagenesis - Definitive Vector Study	INSERTMUT3 N/A	IV	M1
Sulfolane	126-33-0 ADHS	WATER	M3 HSD
2-ethylhexyl-2,3,4,5-tetrabromobenzoate	183658-27-7 ENVH/SYN	GAV	HSDE

Ref No. 10

Long-Term Exposure Studies: Pathology Quality Assessment in Progress

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES
Di(2-ethylhexyl) Phthalate	117-81-7 PLAS/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. 11

Long-Term Exposure Studies: Pathology Working Group Scheduled

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.
Aging Cohort Study: 12951/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	

Ref No. 12

Short-Term Exposure Studies Scheduled for Peer Review

Short-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.
p-Chloro-a,a,a-trifluorotoluene	98-56-6 SYN	INHAL	M3 HSD	
Triethylamine	121-44-8 INTR/SYN	INHAL	R2 M3	TOX-78

Ref No. 13

Long-Term Exposure Studies Scheduled for Peer Review

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.
1020 Long Multiwalled Carbon Nanotube	L-MWNT-1020	INHAL	M3 HSD	

Ref No. 14

Post Peer Review Technical Reports in Progress

Short-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.
Abrasive Blasting Agents: Blasting Sand	BLASTINGSAND IND/NATL	INHAL	RD HSD	
Abrasive Blasting Agents: Specular Hematite	HEMATITESPEC IND/NATL	INHAL	RD HSD	

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**
Cell Phone Radiation: CDMA	CELLPRADCDMA N/A	WB	M22 HSDE	C20105				
Cell Phone Radiation: GSM	CELLPRADGSM N/A	WB	M22 HSDE	C20105				
2-Hydroxy-4-methoxybenzophenone	131-57-7 COSM/SYN	FEED	M3 HSD					

** 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	ME MD	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	MI ME	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	MI ME	GMM-06	PB2008-109735				
Water disinfection model (Sodium bromate)	7789-38-0 COSM/SYN	WATER	ME	GMM-06	PB2008-109735				

** 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

Short-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
						MR	FR	MM	FM**
Acetoin	513-86-0 FOOD/N/S	INHAL	RE M3						
Acetone	67-64-1 COSM/SYN	WATER	R2 M3	TOX-03	PB91-185975				
Acrolein	107-02-8 PLAS/SYN	GAV	R2 M3	TOX-48	PB2008-109744				
Allyl acetate	591-87-7 INTR/SYN	GAV	R2 M3	TOX-48	PB2008-109744				
Allyl alcohol	107-18-6 INTR/SYN	GAV	R2 M3	TOX-48	PB2008-109744				
alpha-Pinene	80-56-8 SOLV/SYN	INHAL	R2 M3	TOX-81	PB2016104182				
5-Amino-o-cresol	2835-95-2 COSM/SYN	SP	RD M3	TOX-89	PB2016101129				
Antimony potassium tartrate	28300-74-5 PEST/SYN	IP/IJ	R2 M3	TOX-11	PB93-149714				
AZT + Isoniazid (AIDS Initiative)	AZTISONIAZID PHAR/SYN	GAV	M3	AIDS-08	PB2012-102038				
AZT + Pyrazinamide combination (AIDS Initiative)	AZTZINAMIDE PHAR/SYN	GAV	M3	AIDS-05	PB2000-103878				
AZT + Rifampin (AIDS Initiative)	AZTRIFAMPIN PHAR	GAV	M3	AIDS-06	PB2001-104503				
Barium chloride dihydrate	10326-27-9 DYE/NATL	WATER	R2 M3	TR-432	PB94-214178				
Benzethonium chloride	121-54-0 COSM/SYN	SP	R2 M3	TR-438	PB96-162300				
Benzophenone	119-61-9 PHAR/SYN	FEED	R2 M3	TOX-61	PB2000-106659				
o-Benzyl-p-chlorophenol	120-32-1 GERM/SYN	GAV	R2 M3	TR-424	PB94-214202				

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

Ref No. 16

Printed Long-Term and Short-Term Study Reports

Short-Term Studies

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
							MR	FR	MM	FM**
Benzyltrimethyl ammonium chloride	56-93-9	DYE	GAV	R2 M3	TOX-57	PB2000-104839				
Benzyltrimethyl ammonium chloride	56-93-9	DYE	GAV	R2 M3	TOX-57	PB2000-104839				
2,2-bis(Bromomethyl)-1,3-propanediol	3296-90-0	FLAM/SYN	FEED	R2 M3	TR-452	PB97-120224				
Bisphenol A	80-05-7	INTR/SYN	GAV	HSD						
Bisphenol A	80-05-7	INTR/SYN	GAV	44	SP-525					
Black newsprint ink	EMTDP-75	DYE/SYN	SP	R2 M2	TOX-17	PB93-131910				
Brominated Vegetable Oil	8016-94-2			HSD						
beta-Bromo-beta-nitrostyrene	7166-19-0	PEST/SYN	GAV	R2 M3	TOX-40	PB95-144531				
Butanal oxime	110-69-0	PNT/SYN	WATER	R2 M3	TOX-69	PB2004-104001				
1,4-Butanediol	110-63-4	INTR/SYN	FEED	R2	TOX-54	PB97-108161				
2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	INTR/SYN	WATER	R2 M3	TOX-26	PB94-118106				
2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	INTR/SYN	WATER	R2	TOX-26	PB94-118106				
tert-Butyl alcohol	75-65-0	IND/SYN	INHAL	R2 M3	TOX-53	PB98-108905				
Butyl benzyl phthalate	85-68-7	PLAS/SYN	FEED	R2	TR-458	PB98-131089				
p-tert-Butylcatechol	98-29-3	RUBR/SYN	FEED	R2 M3	TOX-70	PB2003-102289				
p-tert-Butylcatechol	98-29-3	RUBR/SYN	FEED	R2 M3	TOX-70	PB2003-102289				
tert-Butyl perbenzoate	614-45-9	ADHS/SYN	GAV	R2 M3	TOX-15	PB93-105690/AS				
Cadmium oxide	1306-19-0	DYE/N/S	INHAL	R2 M3	TOX-39	PB95-263356				
Cadmium oxide	1306-19-0	DYE/N/S	INHAL	R8 M5	TOX-39	PB95-263356				
Carisoprodol	78-44-4	PHAR/SYN	GAV	R2 M3	TOX-56	PB2001-100477				
Carisoprodol	78-44-4	PHAR/SYN	GAV	R2 M3	TOX-56	PB2001-100477				
Castor oil	8001-79-4	COSM/NATL	FEED	R2 M3	TOX-12	PB93-151439				
Cedarwood oil	8000-27-9	COSM/NATL	SP	R2 M3	TOX-86	PB2018100057				
Cellulose insulation	CELLULOSEINS	PAPR/SYN	IT	R2	TOX-74	PB2009-115653				
Chemical mixture - drinking water contaminants	CHEMIXH20	COMT/NATL	WATER	R2 M3	TOX-35	PB94-121498				
Chitosan	9012-76-4	DIET/NATL	FEED	R8	TOX-93	PB2018100958				
Chloral hydrate	302-17-0	PHAR/SYN	GAV	R2 MV	C92010B					
m-Chloroaniline	108-42-9	INTR/SYN	GAV	R2 M3	TOX-43	PB98-135932				
o-Chloroaniline	95-51-2	DYE/SYN	GAV	R2 M3	TOX-43	PB98-135932				
2-Chloronitrobenzene	88-73-3	DYE/SYN	INHAL	R2 M3	TOX-33	PB94-118262				
4-Chloronitrobenzene	100-00-5	DYE/SYN	INHAL	R2 M3	TOX-33	PB94-118262				
Chloroprene	126-99-8	PLAS/SYN	INHAL	R2 M3	TR-467	PB99-123671				
1-Chloro-2-propanol, technical	127-00-4	INTR/SYN	WATER	R2 M3	TR-477	PB99-119240				
o-Chloropyridine	109-09-1	COSM/SYN	WATER	R2 M3	TOX-83	PB2017101646				
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	GAV	R2 M3	TOX-14	PB93-105682/AS				
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	GAV	R2 M3	TOX-14	PB93-105682/AS				
C.I. Direct Black 38	1937-37-7	DYE	FEED	R2 M3	TR-108	PB280204			P	P
C.I. Direct Blue 6	2602-46-2	COSM	FEED	R2 M3	TR-108	PB280204			P	P
C.I. Direct Blue 218	28407-37-6	DYE	FEED	R2 M3	TR-430	PB94-215993				
C.I. Direct Brown 95	16071-86-6	DYE	FEED	R2 M3	TR-108	PB280204			N	P
Cobalt sulfate heptahydrate	10026-24-1	DYE/NATL	INHAL	R2 M3	TOX-05	PB91-185348				
Codeine	76-57-3	INTR/N/S	FEED	R2 M3	TR-455	PB97-116743				
Coumarin	91-64-5	PHAR/NATL	GAV	R2 M3	TR-422	PB94-215761				
m-Cresol	108-39-4	FUME/NATL	FEED	R2 M3	TOX-09	PB92-174242				
o-Cresol	95-48-7	DYE/NATL	FEED	R2 M3	TOX-09	PB92-174242				
p-Cresol	106-44-5	PEST/NATL	FEED	R2 M3	TOX-09	PB92-174242				
Cresols	1319-77-3	DYE/N/S	FEED	R2 M3	TOX-09	PB92-174242				
Crumbubber various	CRUMBRUBBERVARIOUS	N/S/SYN		M22						
Cupric sulfate	7758-99-8	FOOD/NATL	WATER	R2 M3	TOX-29	PB94-120870				
Cupric sulfate	7758-99-8	FOOD/NATL	FEED	R2 M3	TOX-29	PB94-120870				
Cyclohexanone oxime	100-64-1	PLAS/SYN	WATER	M3	TOX-50	PB96-175559				
D&C Yellow No. 11	8003-22-3	COSM/SYN	FEED	R2 M3	TOX-08	PB91-185355				
2,4-Decadienal	25152-84-5	FOOD/N/S	GAV	R2 M3	TOX-76	PB2011-105285				
Diazoaminobenzene	136-35-6	DYE/SYN	SP	R2 M3	TOX-73	PB2003-103038				
1,2-Dibromo-2,4-dicyanobutane	35691-65-7	FUNG/SYN	SP	R2 M22	TR-555	PB2010-113180				
Dibutyl Phthalate	84-74-2	FUNG/SYN	FEED	R2 M3	TOX-30	PB95-232427				
Dibutyl Phthalate	84-74-2	FUNG/SYN	FEED	R2 M3	TOX-30	PB95-232427				
p,p'-Dichlorodiphenyl sulfone	80-07-9	PLAS	FEED	R2 M3	TR-501	PB2002-100580				
1,2-Dichloroethane	107-06-2	FUME/SYN	GAV	R2	TOX-04	PB91-185363				
1,2-Dichloroethane	107-06-2	FUME/SYN	WATER	R2 M3	TOX-04	PB91-185363				
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				

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

Ref No. 16

Printed Long-Term and Short-Term Study Reports

Short-Term Studies

CARCINOGEN
CODES
MR FR MM FM**

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER
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 (1,1,1,2-Tetrachloroethane)	79-34-5	SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,2,2-Tetrachloroethane)	71-55-6	SOLV/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,1-Trichloroethane)	354-58-5	IND/SYN	GAV	R2	TOX-45	PB96-202718
Halogenated ethanes CS (1,1,1-Trichloro-2,2,2-trifluoroethane)	118-74-1	FUNG/SYN	GAV	HSD		
Hexachlorobenzene	87-68-3	FUME	FEED	M3	TOX-01	PB91-185884
Hexachloro-1,3-butadiene	142-83-6	FOOD/N/S	GAV	R2 M3	TR-509	PB2004102548
2,4-Hexadienal	6055-52-3	INTR/SYN	INHAL	R2 M3	TOX-24	PB94-119260
1,6-Hexanediamine dihydrochloride	6055-52-3	INTR/SYN	WATER	R2 M3	TOX-24	PB94-119260
1,6-Hexanediamine dihydrochloride	110-54-3	NATL/NATL	INHAL	M3	TOX-02	PB91-185322
n-Hexane	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
2-Hydroxy-4-methoxybenzophenone	67-47-0	NATL/N/S	GAV	R2 M3	TR-554	PB2010-113179
5-(Hydroxymethyl)-2-furfural	700-06-1	DIET/N/S	GAV	R2 M22	TR-584	PB2018100059
Indole-3-carbinol	1124-64-7	ELEC/SYN	WATER	M22 HSD		
Ionic Liquid: N-Butylpyridinium Chloride	65039-09-0	IND/SYN	WATER	HSD M22		
Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride	78-84-2	INTR/N/S	INHAL	R2 M3	TR-472	PB99-134785
Isobutyraldehyde	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
Isoprene	129-73-7	FUNG/SYN	FEED	R2 MV	TOX-71	PB2004-106614
Leucomalachite green	ELECTROMAG	ELEC	WB	R2 M3	TOX-58	PB97-115463
Magnetic fields (EMF)	EMF+DMBA	ELEC/SYN	GV/WB	R8	TR-489	PB2000-101313
Magnetic fields + DMBA initiation promotion	569-64-2	GERM/SYN	FEED	R2 MV	TOX-71	PB2004-106614
Malachite green	10034-96-5	DYE/NATL	FEED	R2 M3	TR-428	PB94-217148
Manganese sulfate monohydrate	126-98-7	INTR/SYN	GAV	R2 M3	TOX-47	PB2000-106-406
Methacrylonitrile	135-23-9	PHAR/SYN	FEED	R2	TOX-46	PB2000-107871
Methapyrilene hydrochloride	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

** 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	CARCINOGEN CODES
4-Methylcyclohexanemethanol	34885-03-5	IND/SYN	GAV			
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
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		
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
PCN 66/67 comparison study	PCNCOMPARISN	SYN	GAV	R2 R8		
						HSD
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
2,3-Pentanedione	600-14-6	FOOD/SYN	INHAL	RE M3	C08010	
Perfluorobutane sulfonate (PFBS)	375-73-5	IND/SYN	GAV			HSD
Perfluorodecanoic Acid	335-76-2	IND/SYN	GAV			HSD
Perfluorohexane sulfonate potassium salt (PFHKSlt)	3871-99-6	PLAS/SYN	GAV			HSD
Perfluorohexanoic acid (PFHXA)	307-24-4	FDPK/SYN	GAV			HSD
Perfluorononanoic Acid	375-95-1	FDPK/SYN	GAV			HSD
Perfluorooctane Sulfonate	1763-23-1	SYN	GAV			HSD
Perfluorooctanoic Acid	335-67-1	ELEC/SYN	GAV			HSD
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
ortho-Phthalaldehyde	643-79-8	GERM	INHAL	M3 HSD	TOX-84	PB2018100957
Promethazine hydrochloride	58-33-3	PHAR/SYN	GAV	R2 M3	TR-425	PB94-210192
Propylene glycol phenyl ether	770-35-4	SOLV/SYN	GAV			HSD
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
Serotype 5 Adeno-associated Viral Vector (rAAV5SCTLA4:Ig)	RAV5SCTLA4IG	N/A	ID/CN	MW		
Serotype 2 Adeno-associated Viral Vector rAAV2rapahEpo	AAVIRAAPHEPO	NATL	ID/CN	MW		
Serotype 2 Adeno-associated Viral Vector hAQP1 (rAAV2hAQP1)	AAV2HAQP1		ID/CN	MW		
Sodium cyanide	143-33-9	FUME/SYN	WATER	R2 M3	TOX-37	PB94-194693
Sodium dichromate dihydrate (VI)	7789-12-0	ENVH/SYN	WATER	M3 MW MX	TOX-72	PB2007-107225
Sodium Metavanadate	13718-26-8	COMT/SYN	WATER	M3 HSD		
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
Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)	21850-44-2	FLAM/SYN	GAV	RD M3	TOX-85	
2,2',4,4'-Tetrabromodiphenyl Ether	5436-43-1	ENVH/SYN	GAV			HSDE
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	PLAS/SYN	GAV			HSDE
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			HSDE
3,3',4,4'-Tetrachloroazoxybenzene	21232-47-3	COMT/SYN	GAV	R2 M3	TOX-66	PB99-123663

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

Ref No. 16

Printed Long-Term and Short-Term Study Reports

Short-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
						MR	FR	MM	FM**
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	PB2018100058				
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				
Vanadyl sulfate	27774-13-6 DYE	WATER	M3 M22						
					HSD				
					HSD				
Wyeth 14,643 (WY)	50892-23-4 PHAR/SYN	GAV							

*+ 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

Long-Term Studies

CHEMICAL NAME	PRIMARY CAS USE NUMBER	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 COMI/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	ALOEPHOTOXO 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

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

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**
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
Antimony Trioxide	1309-64-4	DYE/N/S	INHAL	RE M3	TR-590	PB2018100959	SE	SE	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	M3 MV	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
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	GAV	44	C10034 (1)					
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

*+ 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**
2,3-Butanedione	431-03-8	FOOD/N/S	INHAL	RE M3	C08010					
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
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
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
						(143-50-0)				
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-Chlorobenzalmalononitrile (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
						(67-66-3)				
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
p-Chloro-a,a,a-trifluorotoluene	98-56-6	SYN	INHAL	M3 HSD						
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

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

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**
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	RD R2	TR-581	PB2015-101829	CE	CE	CE	CE
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	TEXL/N/S	SP	R2 M3	TR-479	PB2001-103205	NE	EE	CE	CE
Codeine	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
Cytmbena	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	RB R2 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
Dibutyl Phthalate	84-74-2	FUNG/SYN	FEED	M3 HSD						
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
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	DISELFUEL	FUEL/N/S	SP	M3	TR-310	PB87-131678			EE	EE
Diethanolamine	111-42-2	TEXL/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	HSD						
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

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

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**
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	TEXL/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
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 (2,2-bis(Bromomethyl)-1,3-propanediol)	3296-90-0	FLAM	AQUAT	F1	TR-528	PB 2006-102382				
Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	3296-90-0	FLAM	AQUAT	F2	TR-528	PB 2006-102382				
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

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

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**
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	GREENTEAEEXTR	DIET/NATL	GAV	RD RE M22	TR-585	PB2018100060	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
Indole-3-carbinol	700-06-1	DIET/N/S	GAV	M3 HSD	TR-584	PB2018100059	NE	SE	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	M7 M3 M5	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				
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	C20007		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			
Malaoxon	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

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

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**
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	RD RE	TR-586	PB2016102573	EE	EE	NE	NE
						M22				
Metal Working Fluids: TRIM® VX	TRIMVX	METL/SYN	INHAL	RE M3	TR-591	PB2018100061	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
Methyl dopa 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
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	TR-453	PB97-116784	CE	CE	NE	NE
Nithiazide	139-94-6	PHAR/SYN	FEED	R2 M3	TR-146	PB295897	N	P	P	P
Nitrilotriacetic acid (NTA)	139-13-9	TEXL/SYN	FEED	R2 M3	TR-006	PB266177	P	P	P	P
Nitrilotriacetic acid trisodium monohydrate	18662-53-8	DTRG	FEED	R2	TR-006	PB266177	P	P		
Nitrilotriacetic 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

** 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 USE NUMBER	ROUTE	SPECIES	RPT No.	NTIS ** NUMBER	CARCINOGEN CODES			
						MR	FR	MM	FM**
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	M3 M6	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	RE R2 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
Perfluorooctanoic Acid	335-67-1 ELEC/SYN	FEED	HSD						
Perfluorooctanoic Acid	335-67-1 ELEC/SYN	FEED	HSD						
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
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	RB R2 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	R2 R9 M3	TR-470	PB2000-106687	SE	EE	CE	CE

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

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**	
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	
Resveratrol	501-36-0	CMOT/NATL	GAV	RE RD M3							
				HSD							
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			N	N	
Selsun	EMTDP-74	COSM/N/S	SP	M4	TR-199	PB82-164542			N	N	
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	TR-546	PB2008-114134	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 IIC)	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 (PECDF (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			
Tetrabromobisphenol A	79-94-7	FLAM	GAV	RD RE M22	TR-587	PB2015-102753	EE	CE	SE	SE	
3,3',4,4'-Tetrachloroazobenzene	14047-09-7	PEST/SYN	GAV	HSD M22	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	

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

Ref No. 16

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**	
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
Triclosan	3380-34-5	COSM/SYN	DERMAL	M3						
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(Chloropropyl)phosphate	13674-84-5	PEST	FEED	M3 HSD						
tris(2,3-Dibromopropyl) phosphate	126-72-7	FLAM/SYN	FEED	R2 M3	TR-076	PB280271	P	P	P	P
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	C20303		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	PB2016102572	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

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

Ref No. 16

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**	
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
Zinc Carbonate, Basic	5263-02-5	NATL/NATL	FEED	HSD						
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 Carcnoegen Codes

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
Actinomycin D	50-76-0	CMOT/NATL	IP/IJ	R8 M4	A
Agaristine	2757-90-6	CMOT/NATL	WATER	M4	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	A
Benzyl chloride	100-44-7	INTR/SYN	GAV	R2 M3	RESULTS REPORTED IN JOURNAL ARTICLE
1,3-bis(Chloroethyl)-1-nitrosourea	154-93-8	CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE
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	RESULTS REPORTED IN JOURNAL ARTICLE
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	RESULTS REPORTED IN JOURNAL ARTICLE
Cyclophosphamide	50-18-0	CMOT/SYN	IP/IJ	R8 M4	A
Cytarabine	147-94-4	PHAR/SYN	IP/IJ	R8 M4	A
Cytoxal alcohol	4465-94-5	CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE
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	RESULTS REPORTED IN JOURNAL ARTICLE
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	
Furan	110-00-9	DTRG/N/S	GAV	RC	C10119
Guanazole	1455-77-2	CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE
Hexanamide	628-02-4	INTR	FEED	R2 M1	
Phenolic Benzotriazoles (3-(2H- Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4- hydroxybenzenepropanoic acid, octyl ester)	84268-23-5	ADHS	GAV	HSD	
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	A
Merphalan	531-76-0	CMOT	IP/IJ	R8 M4	A
Methapyrilene hydrochloride	135-23-9	PHAR/SYN	FEED	R2 M3	RESULTS REPORTED IN JOURNAL ARTICLE
Methotrexate	59-05-2	CMOT/SYN	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE
Methyl CCNU	13909-09-6	CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE
Methyl isocyanate	624-83-9	INTR/SYN	INHAL	NA	R
6-Methylmercaptopurine ribonucleoside	342-69-8	CMOT	IP/IJ	R8 M4	RESULTS REPORTED IN JOURNAL ARTICLE

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	
2-Methyl-1-nitroanthraquinone	129-15-7 INTR/SYN	FEED	M3	RESULTS REPORTED IN JOURNAL ARTICLE	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		A	
Procarbazine hydrochloride	366-70-1 CMOT/SYN	IP/IJ	R8 M4		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		A	
Styrene oxide	96-09-3 INTR	GAV	R2 M3	RESULTS REPORTED IN JOURNAL ARTICLE	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)

Choudhury V, de Conti A, Doerge DR, Olson GR, Beland FA, Pogribny IP. Furan-induced transcriptomic and gene-specific DNA methylation changes in the livers of Fischer 344 rats in a 2-year carcinogenicity study. Arch Toxicol. 2016;1-11

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 USE NUMBER	ROUTE	SPECIES
Abrasive blasting agents (coal slag)	COALSLAG IND/NATL	INHAL	RD

Appendix

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

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
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
Aloin	1415-73-2	NATL	WATER	RC
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	M1 MU
Antioxidant model (TRAMP) - Epigallocatechin gallate	989-51-5	PHAR/SYN	GAV	MU M1
Antioxidant model (TRAMP) - NAO (spinach extract)	NAOSPINEXTR	PHAR/NATL	GAV	M1 MU
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)	AZTDICOMB	PHAR/SYN	GAV	M3
Azodicarbonamide	123-77-3	RUBR/SYN	INHAL	R2 M3
AZT/Drug Combinations Transplacental/Neonatal Study	AIDSDRUGSNEO	PHAR/SYN	GAV	MV 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	AZTTMPSTMX	PHAR	GAV	M3
AZT + TMP/SMX (mixture) combination	AZTTMPSTMX	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
Black Cohosh	84776-26-1	DIET/NATL	GAV	M3
Black Cohosh	84776-26-1	DIET/NATL	GAV	M3 HSD
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
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 63 M15
4-Chloro-2-nitroaniline	89-63-4	DYE/SYN	GAV	R2 M3
Chloroprene	126-99-8	PLAS/SYN	INHAL	MD

Appendix

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

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Chloroprene	126-99-8	PLAS/SYN	INHAL	ML MI ME
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 M8 M9
Crotonaldehyde	4170-30-3	INTR/SYN	GAV	R2 M3
Cumene	98-82-8	ENVH/N/S	INHAL	HSD M22
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 M15 63
Estragole	140-67-0	FOOD/NATL	GAV	HSD
Ethinyl estradiol	57-63-6	PHAR/N/S	GAV	HSD
Ethoxyquin	91-53-2	FOOD/SYN	FEED	R2 M3
2-Ethylhexyl Diphenyl Phosphate	1241-94-7		GAV	HSD
2-ethyltoluene	611-14-3	LABC	INHAL	M22 HSD
3-ethyltoluene	620-14-4	LABC	INHAL	HSD M22
4-ethyltoluene	622-96-8	FUEL	INHAL	R8 M22
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
Furan	110-00-9	DTRG/N/S	GAV	HSD
Gallium oxide	12024-21-4	METL/NATL	INHAL	R2 M3
Garcinia Cambogia Extract	90045-23-1	DIET/NATL	FEED	HSD M22
Ginkgo biloba extract	90045-36-6	DIET/NATL	GAV	FSAS
Glucosamine	3416-24-8	DIET/NATL	GAV	ZO ZL
Glucosamine Hydrochloride + Chondroitin Sulfate	GLUCOSCHONDN	DIET	GAV	ZO ZL
Glyoxal	107-22-2	PAPR/SYN	WATER	R2 M3
Goldenseal extract	84603-60-1	NATL/N/S	GAV	FSAS
Green Tea Extract	GREENTEAEXTR	DIET/NATL	GAV	FSAS
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

Appendix

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

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride	79917-90-1	COSM/SYN	WATER	HSD M22
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride	479500-35-1	LABC/SYN	WATER	M22 HSD
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
Melamine + Cyanuric Acid combination	MELCYANCOMB	ADHS/SYN	GAV	RC
Melamine + Cyanuric Acid combination	MELCYANCOMB	ADHS/SYN	GAV	RC
Melatonin	73-31-4	DIET/N/S	GAV	R2 R5
Melatonin	73-31-4	DIET/N/S	GAV	R5 R2
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
Nanoscale Silver	7440-22-4	TBCO/NATL	GAV	44
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
Perfluorooctanoic Acid	335-67-1	ELEC/SYN	GAV	HSD
Peroxisome project (Dibutyl phthalate)	84-74-2	PEST/SYN	FEED	M3 H1 HSD

Appendix

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	M8 M9 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 MD M3
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
Sulfolane	126-33-0	ADHS	GAV	HSD M22 O6
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	MM MK
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

Appendix

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

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Thiophene	110-02-1	PHAR/N/S	INHAL	R2 M3
D-alpha-Tocopheryl acetate	58-95-7	DIET/NATL	GAV	R2 R8
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	MH MO
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	MN MI
Transgenic model evaluation (Cyclophosphamide monohydrate)	6055-19-2	CMOT/SYN	GAV	MI MN
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	MN MI
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	MN MI
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	GAV	MN MI
Transgenic model evaluation (Melphalan)	148-82-3	CMOT/SYN	GAV	MI

Appendix

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

CHEMICAL NAME	PRIMARY CAS NUMBER	USE	ROUTE	SPECIES
Transgenic model evaluation (N-Methylolacrylamide)	924-42-5	PLAS/SYN	GAV	ME
Transgenic model evaluation (N-Methylolacrylamide)	924-42-5	PLAS/SYN	SP	ME
Transgenic model evaluation (Methylphenidate hydrochloride)	298-59-9	PHAR/SYN	FEED	MD ME
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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
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)	42	16	57-63-6	Ethinyl estradiol	52	*
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	49	17	57-63-6	Transgenic model evaluation (Ethinyl estradiol)	55	*
50-55-5	Reserpine	47	16	57-66-9	Probencicid	46	16
50-55-5	Reserpine	54	*	57-68-1	Sulfamethazine	47	16
50-76-0	Actinomycin D	49	17	57-68-1	Sulfamethazine	47	16
50-81-7	L-Ascorbic acid	40	16	57-74-9	Chlordane (analytical grade)	41	16
51-03-6	Piperonyl butoxide	46	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	48	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	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)	48	16	57-97-6	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
52-24-4	tris(Aziridinyl)-phosphine sulfide (Thio-TEPA)	48	16	57-97-6	Magnetic fields + DMBA initiation promotion (Primary CASRN is EMF+DMBA)	37	16
52-68-6	Trichlorfon	56	*	58-08-2	Caffeine	51	*
53-03-2	Prednisone	50	17	58-08-2	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*
53-19-0	o,p'-DDD	49	17	58-08-2	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*
54-31-9	Furosemide	43	16	58-14-0	Pyrimethamine	47	16
@ 54-85-3	AZT + Isoniazid (AIDS Initiative) (Primary CASRN is AZTISONIAZID)	35	16	58-33-3	Promethazine hydrochloride	38	16
55-31-2	Epinephrine hydrochloride	43	16	58-33-3	Promethazine hydrochloride	46	16
55-38-9	Fenthion	43	16	58-55-9	Theophylline	39	16
56-23-5	Carbon tetrachloride	49	17	58-55-9	Theophylline	39	16
@ 56-23-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16	58-55-9	Theophylline	47	16
56-38-2	Parathion	46	16	58-89-9	Lindane	44	16
@ 56-40-6	Benzyl acetate + glycine combination study (Primary CASRN is GLYCINEBENZA)	51	*	58-93-5	Hydrochlorothiazide	44	16
56-53-1	Transgenic model evaluation (DES)	55	*	@ 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	55	*
56-53-1	Transgenic model evaluation (DES)	55	*	59-05-2	Methotrexate	49	17
56-53-1	Transgenic model evaluation (DES)	55	*	59-87-0	Nitrofurazone	45	16
56-72-4	Coumaphos	42	16	59-87-0	Nitrofurazone	50	17
56-93-9	Benzyltrimethyl ammonium chloride	36	16	60-13-9	DL-amphetamine sulfate	40	16
56-93-9	Benzyltrimethyl ammonium chloride	51	*	60-51-5	Dimethoate	43	16
56-93-9	Benzyltrimethyl ammonium chloride	36	16	60-57-1	Dieldrin	42	16
57-06-7	Allyl isothiocyanate	39	16	60-57-1	Dieldrin	42	16
@ 57-14-7	Asbestos, chrysotile(IR) + Dimethyl hydrazine (Primary CASRN is 12001-29-5)	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	38	16
57-14-7	Dimethyl hydrazine (DMH)	49	17	62-23-7	p-Nitrobenzoic acid	45	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
62-73-7	Dichlorvos	42	16	@ 71-55-6	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16
62-73-7	Dichlorvos	42	16				
62-75-9	N-Nitrosodimethylamine (TGMX rat liver evaluation)	53	*	71-55-6	Halogenated ethanes CS (1,1,1-Trichloroethane)	37	16
63-05-8	Androstenedione	51	*	71-55-6	1,1,1-Trichloroethane	48	16
63-05-8	Androstenedione	51	*	71-55-6	1,1,1-Trichloroethane	39	16
63-05-8	Androstenedione	40	16	72-20-8	Endrin	43	16
63-25-2	Carbaryl	51	*	72-43-5	Methoxychlor	45	16
63-92-3	Phenoxybenzamine hydrochloride	46	16	72-54-8	Tetrachlorodiphenylethane	47	16
64-17-5	Ethanol	43	16	72-55-9	p,p'-Dichlorodiphenyl dichloroethylene	42	16
@ 64-17-5	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	39	16	72-56-0	Di(p-ethylphenyl)dichloroethane	42	16
@ 64-17-5	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	48	16	73-22-3	L-Tryptophan	48	16
64-18-6	Formic acid	37	16	73-31-4	Melatonin	53	*
64-75-5	Tetracycline hydrochloride	47	16	73-31-4	Melatonin	53	*
64-77-7	Tolbutamide	48	16	73-31-4	Prevention 1 (Melatonin)	54	*
66-75-1	Uracil mustard	50	17	73-31-4	Prevention 2 (Melatonin)	54	*
@ 66-84-2	Glucosamine Hydrochloride + Chondroitin Sulfate (Primary CASRN is GLUCOSCHONDN)	52	*	@ 73-31-4	Prevention 2 (Silymarin + melatonin) (Primary CASRN is SILYMARN+MEL)	54	*
67-20-9	Nitrofurantoin	45	16	73-31-4	Prevention 3 (Melatonin)	54	*
67-47-0	5-(Hydroxymethyl)-2-furfural	37	16	@ 73-31-4	Prevention 1 (Flaxseed oil + melatonin) (Primary CASRN is FLAXSEED+MEL)	54	*
67-47-0	5-(Hydroxymethyl)-2-furfural	44	16				
@ 67-56-1	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	6	73-31-4	Prevention 4 (Melatonin)	54	*
67-64-1	Acetone	35	16	73-31-4	Prevention 5 (Melatonin)	54	*
@ 67-64-1	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16	@ 73-31-4	Prevention 4 (Melatonin + curcumin) (Primary CASRN is MEL+CURCUMIN)	54	*
@ 67-66-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16	@ 73-31-4	Prevention 4 (Melatonin + indole- 3-carbinol) (Primary CASRN is MEL+INDOLCAR)	54	*
67-66-3	Chloroform	41	16				
67-72-1	Halogenated ethanes CS (Hexachloroethane)	37	16	74-83-9	Methyl bromide	37	16
67-72-1	Hexachloroethane	44	16	74-83-9	Methyl bromide	45	16
67-72-1	Hexachloroethane	44	16	74-83-9	Methyl bromide	37	16
68-12-2	Dimethylformamide		16	74-94-2	Dimethylamine Borane	32	5
@ 68-26-8	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*	74-96-4	Bromoethane (ethyl bromide)	40	16
69-65-8	D-Mannitol	45	16	75-00-3	Chloroethane	41	16
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	75-05-8	Acetonitrile	51	*
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	75-05-8	Acetonitrile	39	16
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	@ 75-09-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16
@ 70-25-7	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	75-09-2	Methylene chloride	45	16
70-30-4	Hexachlorophene	44	16	75-12-7	Formamide	37	16
70-55-3	p-Toluenesulfonamide	39	16	75-12-7	Formamide	43	16
71-43-2	Benzene	40	16	75-15-0	Carbon disulfide	51	*
@ 71-43-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16	75-15-0	Carbon disulfide	51	*
71-43-2	Transgenic model evaluation II (Benzene)	35	16	75-15-0	Carbon disulfide	51	*
				75-21-8	Ethylene oxide	43	16
				@ 75-25-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16
				75-25-2	Tribromomethane	48	16
				75-27-4	Bromodichloromethane	40	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
75-27-4	Transgenic model evaluation (Bromodichloromethane)	55	*	77-47-4	Hexachlorocyclopentadiene	44	16
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)	48	16	78-34-2	Dioxathion	43	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-42-2	tris(2-Ethylhexyl)phosphate	48	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-44-4	Carisoprodol	51	*
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-44-4	Carisoprodol	36	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-44-4	Carisoprodol		16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-59-1	Isophorone	44	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-79-5	Isoprene	37	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-79-5	Isoprene	44	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-79-5	Isoprene		16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-84-2	Isobutyraldehyde	37	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-84-2	Isobutyraldehyde	44	16
75-27-4	Water disinfection model (Bromodichloromethane)	35	16	78-87-5	1,2-Dichloropropane (propylene dichloride)	42	16
@ 75-34-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16	@ 78-87-5	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16
75-34-3	1,1-Dichloroethane	42	16	78-88-6	2,3-Dichloropropylene	52	*
@ 75-35-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16	78-94-4	Methyl vinyl ketone	53	*
75-35-4	Vinylidene Chloride	48	16	79-00-5	1,1,2-Trichloroethane	48	16
75-35-4	Vinylidene Chloride	48	16	@ 79-01-6	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16
75-38-7	Vinylidene fluoride	56	*	79-01-6	Trichloroethylene	48	16
75-47-8	Iodoform	44	16	79-01-6	Trichloroethylene	48	16
75-52-5	Fish Project 1 (Nitromethane)	43	16	79-01-6	Trichloroethylene	48	16
75-52-5	Fish Project 1 (Nitromethane)	43	16	79-01-6	Trichloroethylene	48	16
75-52-5	Nitromethane	45	16	79-01-6	Trichloroethylene	56	*
75-56-9	1,2-Propylene oxide	46	16	79-01-6	Trichloroethylene	56	*
75-65-0	tert-Butyl alcohol	41	16	79-06-1	Acrylamide	33	6
75-65-0	tert-Butyl alcohol	36	16	79-06-1	Acrylamide	39	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	51	*	79-27-6	Halogenated ethanes CS (1,1,2,2-Tetrabromoethane)	37	16
75-95-6	Halogenated ethanes CS (Pentabromoethane)	37	16	79-34-5	Halogenated ethanes CS (1,1,2,2-Tetrachloroethane)	37	16
76-01-7	Halogenated ethanes CS (Pentachloroethane)	37	16	79-34-5	1,1,2,2-Tetrachloroethane	47	16
76-01-7	Pentachloroethane	46	16	79-34-5	1,1,2,2-Tetrachloroethane	39	16
76-06-2	Chloropicrin	41	16	79-34-5	1,1,2,2-Tetrachloroethane	54	*
76-12-0	Halogenated ethanes CS (1,2- Difluoro-1,1,2,2- tetrachloroethane)	37	16	79-34-5	1,1,2,2-Tetrachloroethane	39	16
76-22-2	DL-Camphor	51	*	79-43-6	Water disinfection byproducts (Dichloroacetic acid)	56	*
76-44-8	Heptachlor	44	16	79-43-6	Water disinfection model (Dichloroacetic acid)	35	16
76-57-3	Codeine	36	16	79-43-6	Water disinfection model (Dichloroacetic acid)	35	16
76-57-3	Codeine	42	16	79-43-6	Water disinfection model (Dichloroacetic acid)	35	16
76-87-9	Triphenyltin hydroxide	48	16	79-44-7	Dimethylcarbamoyl chloride	49	17
77-09-8	Phenolphthalein	38	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)	35	16	79-94-7	Tetrabromobisphenol A	33	6
77-09-8	Transgenic model evaluation (Phenolphthalein)	56	*				

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
79-94-7	Tetrabromobisphenol A	47	16	88-72-2	o-Nitrotoluene	38	16
80-05-7	Bisphenol A	40	16	88-72-2	o-Nitrotoluene	46	16
80-05-7	Bisphenol A	36	16	88-73-3	2-Chloronitrobenzene	36	16
80-05-7	Bisphenol A	36	16	88-96-0	Phthalamide	46	16
80-05-7	Bisphenol A	40	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	51	*
80-07-9	p,p'-Dichlorodiphenyl sulfone	42	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	32	4	89-82-7	Pulegone	33	6
80-15-9	Cumene hydroperoxide	52	*	89-82-7	Pulegone	46	16
80-56-8	alpha-Pinene	35	16	90-43-7	o-Phenylphenol	46	16
80-56-8	alpha-Pinene	33	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	39	16	91-20-3	Naphthalene	45	16
82-28-0	1-Amino-2-methylanthraquinone	39	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	45	16
83-79-4	Rotenone	50	17	91-53-2	Ethoxyquin	52	*
83-79-4	Rotenone	47	16	91-64-5	Coumarin	36	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	6
84-65-1	Anthraquinone	40	16	91-84-9	Pyrimidine	47	16
84-66-2	Diethyl phthalate	42	16	91-93-0	3,3'-Dimethoxybenzidine-4,4'- diisocyanate	43	16
@ 84-66-2	Diethyl phthalate/dimethyl phthalate (Primary CASRN is DIETH/ DIMETH)	42	16	92-36-4	4-(6-Methyl-2-benzothiazolyl)- benzenamine	53	*
84-74-2	Dibutyl Phthalate	42	16	92-48-8	Methyl coumarin	53	*
84-74-2	Dibutyl Phthalate	36	16	93-15-2	Methyleugenol	33	6
84-74-2	Dibutyl Phthalate	36	16	93-15-2	Methyleugenol	38	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	36	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	45	16	93-83-4	Transgenic LECM (Oleic acid diethanolamine condensate)	55	*
86-50-0	Azinphosmethyl	40	16				
86-57-7	1-Nitronaphthalene	45	16	94-13-3	Propyl-4-hydroxybenzoate	32	2
87-29-6	Cinnamyl anthranilate	41	16	94-20-2	Chlorpropamide	41	16
87-62-7	2,6-Xylidine	49	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-66-1	Pyrogallol	47	16				
87-68-3	Hexachloro-1,3-butadiene	37	16	@ 94-36-0	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16
87-86-5	Pentachlorophenol, Dowicide EC-7	46	16				
87-86-5	Pentachlorophenol, DP-2	38	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	38	16				
87-86-5	Pentachlorophenol, purified	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, technical	46	16				
87-86-5	Transgenic LECM (Pentachlorophenol)	55	*	94-52-0	6-Nitrobenzimidazole	45	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	38	16				

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
@ 94-60-0	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	6	98-01-1	Furfural	43	16
94-75-7	Peroxisome project (2,4-Dichlorophenoxyacetic acid)	54	*	98-29-3	p-tert-Butylcatechol	36	16
95-06-7	Sulfallate	47	16	98-29-3	p-tert-Butylcatechol	36	16
95-14-7	1,2,3-Benzotriazole	40	16	98-56-6	p-Chloro-a,a,a-trifluorotoluene	34	12
95-48-7	o-Cresol	36	16	98-56-6	p-Chloro-a,a,a-trifluorotoluene	41	16
95-50-1	1,2-Dichlorobenzene (o-dichlorobenzene)	42	16	98-56-6	p-Chloro-a,a,a-trifluorotoluene	36	16
95-51-2	o-Chloroaniline	36	16	98-82-8	Cumene	52	*
95-63-6	1,2,4-trimethylbenzene	33	6	98-82-8	Cumene	42	16
95-74-9	3-Chloro-p-toluidine	41	16	98-83-9	alpha-Methylstyrene	53	*
95-79-4	5-Chloro-o-toluidine	41	16	98-83-9	alpha-Methylstyrene	45	16
95-80-7	2,4-Diaminotoluene (2,4-toluene diamine)	42	16	98-85-1	alpha-Methylbenzyl alcohol	45	16
95-80-7	Transgenic model evaluation (2,4-Diaminotoluene)	55	*	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)	35	16
95-83-0	4-Chloro-o-phenylenediamine	41	16	98-96-4	Pyrazinamide	46	16
95-94-3	1,2,4,5-Tetrachlorobenzene	39	16	99-08-1	m-Nitrotoluene	38	16
96-09-3	Styrene oxide	50	17	99-55-8	5-Nitro-o-toluidine	46	16
96-12-8	1,2-Dibromo-3-chloropropane	42	16	99-56-9	4-Nitro-o-phenylenediamine	45	16
96-12-8	1,2-Dibromo-3-chloropropane	42	16	99-57-0	2-Amino-4-nitrophenol	39	16
@ 96-12-8	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	99-59-2	5-Nitro-o-anisidine	45	16
96-13-9	2,3-Dibromo-1-propanol	42	16	99-97-8	N,N-Dimethyl-p-toluidine	32	5
96-18-4	Fish project 1 (1,2,3-Trichloropropane)	43	16	99-97-8	N,N-Dimethyl-p-toluidine	52	*
96-18-4	Fish project 1 (1,2,3-Trichloropropane)	43	16	99-97-8	N,N-Dimethyl-p-toluidine	43	16
96-18-4	1,2,3-Trichloropropane	56	*	99-99-0	p-Nitrotoluene	53	*
96-18-4	1,2,3-Trichloropropane	48	16	99-99-0	p-Nitrotoluene	38	16
96-29-7	Methyl ethyl ketoxime	38	16	99-99-0	p-Nitrotoluene	46	16
96-45-7	Ethylene thiourea (ETU)	43	16	100-00-5	4-Chloronitrobenzene	36	16
96-48-0	gamma-Butyrolactone	41	16	100-01-6	p-Nitroaniline		16
96-69-5	4,4-Thiobis(6-tert-butyl-m- cresol)	54	*	100-01-6	p-Nitroaniline	45	16
96-69-5	4,4-Thiobis(6-tert-butyl-m- cresol)	48	16	100-02-7	p-Nitrophenol	45	16
97-52-9	2-Methoxy-4-nitroaniline	53	*	100-40-3	4-Vinylcyclohexene	48	16
97-53-0	Eugenol	43	16	@ 100-41-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16
@ 97-53-0	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*	100-41-4	Ethylbenzene	37	16
97-54-1	Isoeugenol	44	16	100-41-4	Ethylbenzene	43	16
@ 97-54-1	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*	100-42-5	Styrene	47	16
97-77-8	Tetraethylthiuram disulfide	47	16	100-42-5	Styrene	54	*
98-00-0	Furfuryl alcohol	37	16	100-44-7	Benzyl chloride	49	17
98-00-0	Furfuryl alcohol	43	16	100-47-0	Benzonitrile	51	*
98-00-0	Transgenic LECM (Furfuryl alcohol)	55	*	100-51-6	Benzyl alcohol	40	16
				100-52-7	Benzaldehyde	40	16
				100-64-1	Cyclohexanone oxime	36	16
				101-05-3	Anilazine	40	16
				101-20-2	Triclocarban	32	2
				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)	42	16
				102-06-7	1,3-Diphenylguanidine		16
				102-50-1	m-Cresidine	42	16
				102-54-5	Ferrocene	52	*

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
102-71-6	Triethanolamine	56	*	107-06-2	1,2-Dichloroethane		16
102-71-6	Triethanolamine	56	*	107-07-3	2-Chloroethanol (ethylene chlorohydrin)	41	16
102-71-6	Triethanolamine	56	*	107-13-1	Acrylonitrile	39	16
102-71-6	Triethanolamine	48	16	107-18-6	Allyl alcohol	35	16
102-71-6	Triethanolamine	48	16	107-19-7	Propargyl alcohol	46	16
102-96-5	beta-Nitrostyrene	46	16	107-21-1	Ethylene glycol	43	16
103-23-1	Di(2-ethylhexyl)adipate	42	16	107-22-2	Glyoxal	52	*
103-33-3	Azobenzene	40	16	107-30-2	Chloromethyl methyl ether	49	17
103-85-5	1-Phenyl-2-thiourea	46	16	108-10-1	Methyl isobutyl ketone	45	16
103-90-2	Acetaminophen (4-hydroxyacetanilide)	32	2	108-30-5	Succinic anhydride	47	16
103-90-2	Acetaminophen (4-hydroxyacetanilide)	39	16	108-39-4	m-Cresol	36	16
103-90-2	Acetaminophen (4-hydroxyacetanilide)	51	*	108-42-9	m-Chloroaniline	36	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	6	108-46-3	Transgenic model evaluation (Resorcinol)	56	*
105-11-3	p-Benzoquinone dioxime	40	16	108-46-3	Transgenic model evaluation (Resorcinol)	56	*
105-55-5	N,N'-Diethylthiourea	42	16	108-60-1	bis(2-Chloro-1-methylethyl) ether	40	16
105-60-2	Caprolactam	41	16	108-60-1	bis(2-Chloro-1-methylethyl) ether	40	16
105-87-3	Geranyl acetate	44	16	108-78-1	Melamine	45	16
106-44-5	p-Cresol	36	16	@ 108-78-1	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
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)	32	4
106-49-0	p-Toluidine	34	10	@ 108-78-1	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
106-87-6	4-Vinyl-1-cyclohexene diepoxide	48	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)	32	4
106-89-8	Epichlorhydrin	49	17	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
106-92-3	Allyl glycidyl ether	39	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	32	4
106-93-4	1,2-Dibromoethane	42	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
106-93-4	1,2-Dibromoethane	42	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
@ 106-93-4	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	32	4
106-94-5	1-Bromopropane	40	16	@ 108-80-5	Melamine + Cyanuric Acid combination (Primary CASRN is MELCYANCOMB)	53	*
106-95-6	Allyl bromide	35	16	108-86-1	Bromobenzene	51	*
106-95-6	Allyl bromide	51	*	108-86-1	Bromobenzene	51	*
106-95-6	Allyl bromide	35	16	@ 108-88-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
106-99-0	1,3-Butadiene	40	16	108-88-3	Toluene	48	16
106-99-0	1,3-Butadiene	51	*	108-88-3	Toluene	39	16
106-99-0	1,3-Butadiene	40	16	@ 108-90-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
106-99-0	1,3-Butadiene	49	17	108-90-7	Chlorobenzene	41	16
107-02-8	Acrolein	35	16	108-94-1	Cyclohexanone	49	17
107-05-1	Allyl chloride	39	16	@ 108-95-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
@ 107-06-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16				
107-06-2	1,2-Dichloroethane	42	16				
107-06-2	1,2-Dichloroethane	36	16				
107-06-2	1,2-Dichloroethane		16				

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

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

Index of Chemicals by Chemical Abstracts Service
 Registry Number (CASRN) with Reference Location

CASRN	CHEMICAL NAME	PAGE	REF
108-95-2	Phenol	46	16
108-99-6	beta-Picoline	46	16
109-09-1	o-Chloropyridine	52	*
109-09-1	o-Chloropyridine	36	16
109-69-3	n-Butyl chloride	41	16
109-86-4	Ethylene Glycol Monomethyl Ether (EGMME)	37	16
109-86-4	Ethylene Glycol Monomethyl Ether (EGMME)	37	16
109-89-7	Diethylamine	42	16
109-99-9	Tetrahydrofuran	54	*
109-99-9	Tetrahydrofuran	39	16
109-99-9	Tetrahydrofuran	47	16
110-00-9	Furan	49	17
110-00-9	Furan	52	*
110-00-9	Furan	43	16
110-02-1	Thiophene	55	*
110-54-3	n-Hexane	37	16
110-63-4	1,4-Butanediol		16
110-69-0	Butanal oxime	36	16
110-80-5	Ethylene glycol monoethyl ether (EGMEE)	37	16
110-80-5	Ethylene glycol monoethyl ether (EGMEE)	37	16
110-86-1	Pyridine	54	*
110-86-1	Pyridine	46	16
110-86-1	Pyridine	47	16
110-86-1	Transgenic LECM (Pyridine)	55	*
110-86-1	Transgenic LECM (Pyridine)	55	*
111-30-8	Glutaraldehyde	37	16
111-30-8	Glutaraldehyde	44	16
111-42-2	Diethanolamine	36	16
111-42-2	Diethanolamine	36	16
111-42-2	Diethanolamine	42	16
111-42-2	Transgenic LECM (diethanolamine)	56	*
111-76-2	2-Butoxyethanol (ethylene glycol monobutyl ether)	36	16
111-76-2	2-Butoxyethanol (ethylene glycol monobutyl ether)	36	16
111-76-2	2-Butoxyethanol (ethylene glycol monobutyl ether)	41	16
111-91-1	bis(2-Chloroethoxy)methane	41	16
111-91-1	bis(2-Chloroethoxy)methane	51	*
111-91-1	bis(2-Chloroethoxy)methane	51	*
113-92-8	Chlorpheniramine maleate	41	16
115-07-1	Propylene	46	16
115-11-7	Isobutene	44	16
115-28-6	Chlorendic acid	41	16
115-29-7	Endosulfan	43	16
115-32-2	Dicofol	42	16
115-86-6	Triphenyl Phosphate	56	*
115-86-6	Triphenyl Phosphate	33	6
115-96-8	Tris(2-Chloroethyl) Phosphate	48	16
116-06-3	Aldicarb	39	16

 Index of Chemicals by Chemical Abstracts Service
 Registry Number (CASRN) with Reference Location

CASRN	CHEMICAL NAME	PAGE	REF
@ 116-06-3	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16
116-14-3	Tetrafluoroethylene	39	16
116-14-3	Tetrafluoroethylene	47	16
117-08-8	Tetrachlorophthalic anhydride	39	16
117-39-5	Quercetin	47	16
117-79-3	2-Aminoanthraquinone	39	16
@ 117-81-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16
117-81-7	Di(2-ethylhexyl) Phthalate	34	10
117-81-7	Di(2-ethylhexyl) Phthalate	42	16
117-81-7	Di(2-ethylhexyl) Phthalate	52	*
117-81-7	Di(2-ethylhexyl) Phthalate	33	6
117-81-7	Di(2-ethylhexyl) Phthalate	52	*
117-81-7	Di(2-ethylhexyl) Phthalate	42	16
117-81-7	Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	55	*
117-81-7	Transgenic model evaluation (Di(2-ethylhexyl) phthalate)	55	*
118-74-1	Hexachlorobenzene	33	6
118-74-1	Hexachlorobenzene	37	16
118-92-3	o-Anthranilic acid	40	16
119-34-6	4-Amino-2-nitrophenol	39	16
119-53-9	Benzoin	40	16
119-61-9	Benzophenone	35	16
119-61-9	Benzophenone	40	16
119-64-2	Tetralin	47	16
119-84-6	3,4-Dihydrocoumarin	36	16
119-84-6	3,4-Dihydrocoumarin	43	16
120-32-1	o-Benzyl-p-chlorophenol	35	16
120-32-1	o-Benzyl-p-chlorophenol	40	16
120-32-1	o-Benzyl-p-chlorophenol	40	16
120-40-1	Lauric acid diethanolamine condensate	44	16
120-40-1	Transgenic LECM (Lauric acid diethanolamine condensate)	55	*
120-40-1	Transgenic LECM (Lauric acid diethanolamine condensate)	55	*
@ 120-58-1	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
120-61-6	Dimethyl terephthalate	43	16
120-62-7	Piperonyl sulfoxide	46	16
120-71-8	p-Cresidine	42	16
120-71-8	p-Cresidine	52	*
120-71-8	Transgenic LEP (p-Cresidine)	55	*
120-83-2	2,4-Dichlorophenol	42	16
121-14-2	2,4-Dinitrotoluene	43	16
121-19-7	Roxarsone	47	16
121-44-8	Triethylamine		12
121-54-0	Benzethonium chloride	35	16
121-54-0	Benzethonium chloride	40	16
121-66-4	2-Amino-5-nitrothiazole	39	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
121-69-7	N,N-Dimethylaniline	43	16	130-17-6	2-(4-Aminophenyl)-6-methyl-7-benzothiazole sulfonic acid	51	*
121-75-5	Malathion	44	16				
121-75-5	Malathion	44	16	@ 131-11-3	Diethyl phthalate/dimethyl phthalate (Primary CASRN is DIETH/DIMETH)	42	16
121-79-9	Propyl gallate	46	16				
121-88-0	2-Amino-5-nitrophenol	39	16				
121-92-6	m-Nitrobenzoic acid	53	*	131-17-9	Diallyl phthalate	42	16
@ 122-34-9	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	131-17-9	Diallyl phthalate	42	16
				131-57-7	2-Hydroxy-4-methoxybenzophenone	34	14
				131-57-7	2-Hydroxy-4-methoxybenzophenone	37	16
122-34-9	Simazine	54	*	131-57-7	2-Hydroxy-4-methoxybenzophenone	37	16
122-66-7	Hydrazobenzene	44	16	131-57-7	2-Hydroxy-4-methoxybenzophenone	37	16
123-31-9	Hydroquinone	44	16	132-32-1	3-Amino-9-ethylcarbazole	49	17
123-35-3	beta-Myrcene	45	16	132-98-9	Penicillin VK	46	16
123-72-8	Butyraldehyde	51	*	133-06-2	Captan	41	16
123-77-3	Azodicarbonamide	51	*	133-90-4	Chloramben	41	16
123-91-1	1,4-Dioxane	43	16	134-29-2	o-Anisidine hydrochloride	40	16
124-48-1	Chlorodibromomethane	41	16	134-50-9	9-Aminoacridine hydrochloride	51	*
124-64-1	Tetrakis(hydroxymethyl)phosphonium chloride	47	16	134-50-9	9-Aminoacridine hydrochloride	51	*
				134-72-5	Ephedrine sulfate	43	16
125-33-7	Primidone (primaclone)	46	16	135-20-6	Cupferron	42	16
126-33-0	Sulfolane	54	*	135-23-9	Methapyrilene hydrochloride	49	17
126-33-0	Sulfolane	33	8	135-23-9	Methapyrilene hydrochloride	53	*
126-72-7	tris(2,3-Dibromopropyl) phosphate	48	16	135-23-9	Methapyrilene hydrochloride	37	16
126-98-7	Methacrylonitrile		16	135-88-6	N-Phenyl-2-naphthylamine	46	16
126-98-7	Methacrylonitrile	45	16	136-35-6	Diazoaminobenzene	36	16
126-99-8	Chloroprene	36	16	136-40-3	Phenazopyridine hydrochloride	46	16
126-99-8	Chloroprene	41	16	136-45-8	2,5-Pyridinedicarboxylic Acid, Dipropyl Ester	54	*
126-99-8	Chloroprene	51	*				
126-99-8	Chloroprene	52	*	136-77-6	4-Hexylresorcinol	44	16
127-00-4	1-Chloro-2-propanol, technical	36	16	137-09-7	2,4-Diaminophenol dihydrochloride	42	16
127-00-4	1-Chloro-2-propanol, technical	52	*	137-17-7	2,4,5-Trimethylaniline	48	16
127-00-4	1-Chloro-2-propanol, technical	41	16	137-30-4	Ziram	49	16
127-00-4	Transgenic LECM (1-Chloro-2-propanol, technical)	55	*	139-13-9	Nitrilotriacetic acid (NTA)	45	16
				139-65-1	4,4'-Thiodianiline	48	16
127-00-4	Transgenic LECM (1-Chloro-2-propanol, technical)	55	*	139-94-6	Nithiazide	45	16
				140-11-4	Benzyl acetate	40	16
127-07-1	Hydroxyurea	49	17	140-11-4	Benzyl acetate	40	16
@ 127-18-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH20)	36	16	@ 140-11-4	Benzyl acetate + glycine combination study (Primary CASRN is GLYCINEBENZA)	51	*
127-18-4	Tetrachloroethylene	47	16				
127-18-4	Tetrachloroethylene	47	16	140-49-8	4-(Chloroacetyl)acetanilide	41	16
@ 127-47-9	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*	140-56-7	Formulated fenaminosulf	43	16
				140-67-0	Estragole	52	*
127-47-9	Retinoid project 3 (Retinol acetate)	54	*	140-67-0	Estragole	37	16
				@ 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	43	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	37	16
129-73-7	Leucomalachite green	44	16	142-83-6	2,4-Hexadienal	44	16
129-73-7	Leucomalachite green	37	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

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
143-50-0	Chlordecone	41	16	@ 299-42-3	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*
147-24-0	Diphenhydramine hydrochloride	43	16	@ 301-04-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	36	16	301-04-2	Lead(2+) acetate	53	*
147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	43	16	@ 301-04-2	Lead contaminated soil (Primary CASRN is PBCONTAMSOIL)	53	*
147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	37	16	302-17-0	Chloral hydrate	41	16
147-47-7	1,2-Dihydro-2,2,4- trimethylquinoline (monomer)	43	16	302-17-0	Chloral hydrate	36	16
147-94-4	Cytarabine	49	17	302-17-0	Chloral hydrate	41	16
148-18-5	Sodium diethyldithiocarbamate	47	16	303-34-4	Lasiocarpine	44	16
148-24-3	8-Hydroxyquinoline	44	16	303-47-9	Ochratoxin A	46	16
148-24-3	Transgenic model evaluation (8-Hydroxyquinoline)	55	*	305-03-3	Chlorambucil	49	17
148-24-3	Transgenic model evaluation (8-Hydroxyquinoline)	55	*	306-37-6	1,2-Dimethylhydrazine 2HCl	49	17
148-82-3	Melphalan	49	17	307-24-4	Perfluorohexanoic acid (PFHXA)	38	16
148-82-3	Transgenic LEP (Melphalan)	55	*	309-00-2	Aldrin	39	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	46	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	46	16
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	38	16
148-82-3	Transgenic model evaluation (Melphalan)	55	*	335-67-1	Perfluorooctanoic Acid	53	*
149-30-4	2-Mercaptobenzothiazole	45	16	335-76-2	Perfluorodecanoic Acid	38	16
150-38-9	Trisodium ethylenediaminetetraacetate trihydrate (EDTA)	48	16	342-69-8	6-Methylmercaptapurine ribonucleoside	49	17
150-68-5	Monuron	45	16	354-58-5	Halogenated ethanes CS (1,1,1- Trichloro-2,2,2-trifluoroethane)	37	16
154-69-8	Tripelennamine hydrochloride	56	*	366-70-1	Procarbazine hydrochloride	50	17
154-93-8	1,3-bis(Chloroethyl)-1- nitrosourea	49	17	366-70-1	Procarbazine hydrochloride	46	16
156-10-5	p-Nitrosodiphenylamine	46	16	367-51-1	Sodium thioglycolate	38	16
156-59-2	cis-1,2-Dichloroethylene	52	*	375-73-5	Perfluorobutane sulfonate (PFBS)	38	16
@ 156-60-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16	375-95-1	Perfluorononanoic Acid	38	16
156-60-5	trans-1,2-Dichloroethylene	52	*	389-08-2	Nalidixic acid	45	16
156-60-5	trans-1,2-Dichloroethylene	52	*	396-01-0	Triamterene	56	*
156-60-5	trans-1,2-Dichloroethylene	36	16	396-01-0	Triamterene	48	16
156-62-7	Calcium cyanamide	41	16	431-03-8	2,3-Butanedione	41	16
262-12-4	Dibenzo-p-dioxin	42	16	434-07-1	Oxymetholone	53	*
271-89-6	Benzofuran	40	16	434-07-1	Oxymetholone	46	16
286-20-4	Cyclohexene oxide	52	*	434-13-9	Lithocholic acid	44	16
286-20-4	Cyclohexene oxide	52	*	446-72-0	Endocrine disruptor (Genistein)	43	16
286-20-4	Cyclohexene oxide	52	*	446-86-6	Azathioprine	49	17
298-00-0	Methyl parathion	45	16	458-37-7	Prevention 4 (Curcumin)	54	*
298-59-9	Methylphenidate hydrochloride	38	16	@ 458-37-7	Prevention 4 (Melatonin + curcumin) (Primary CASRN is MEL+CURCUMIN)	54	*
298-59-9	Methylphenidate hydrochloride	45	16	462-08-8	3-Aminopyridine	51	*
298-59-9	Transgenic model evaluation (Methylphenidate hydrochloride)	56	*	@ 462-08-8	Comparison study of Aminopyridines/Troponin levels (Primary CASRN is AMINOPYRCOMP)	51	*
298-81-7	8-Methoxypsoralen	45	16	469-21-6	Doxylamine	43	16
@ 299-42-3	Ephedrine + caffeine combination (Primary CASRN is EPHEDCOMBO)	52	*	470-82-6	1,8-Cineol	52	*

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

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

Index of Chemicals by Chemical Abstracts Service
 Registry Number (CASRN) with Reference Location

CASRN	CHEMICAL NAME	PAGE	REF
470-82-6	1,8-Cineol	52	*
@ 471-15-8	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	33	6
@ 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	39	16
486-12-4	Triprolidine	48	16
488-41-5	Dibromomannitol	49	17
501-36-0	Resveratrol	47	16
504-24-5	4-Aminopyridine	51	*
@ 504-24-5	Comparison study of Aminopyridines/Troponin levels (Primary CASRN is AMINOPYRCOMP)	51	*
504-29-0	2-Aminopyridine	51	*
@ 504-29-0	Comparison study of Aminopyridines/Troponin levels (Primary CASRN is AMINOPYRCOMP)	51	*
504-88-1	3-Nitropropionic acid	45	16
509-14-8	Tetranitromethane	47	16
510-15-6	Chlorobenzilate	41	16
512-56-1	Trimethylphosphate	48	16
513-37-1	Dimethylvinyl chloride (DMVC)	43	16
513-86-0	Acetoin	35	16
@ 514-78-3	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*
518-82-1	Emodin	43	16
528-74-5	Dichloromethotrexate	49	17
531-76-0	Merphalan	49	17
531-85-1	Benzidine dihydrochloride	51	*
532-27-4	2-Chloroacetophenone (CN)	41	16
536-33-4	Ethionamide	43	16
538-23-8	Tricaprylin	48	16
538-75-0	Dicyclohexylcarbodiimide	35	16
538-75-0	Dicyclohexylcarbodiimide	35	16
538-75-0	Dicyclohexylcarbodiimide	35	16
540-59-0	cis & trans 1,2-Dichloroethylene	52	*
542-56-3	Isobutyl nitrite	44	16
542-75-6	1,3-Dichloropropene (Telone II)	42	16
542-88-1	bis(Chloromethyl) ether	49	17
546-80-5	alpha-Thujone	39	16
@ 546-80-5	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	33	6
@ 546-80-5	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	39	16
@ 546-80-5	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	48	16
548-62-9	Hexamethyl-p-rosaniline chloride	44	16
548-62-9	Hexamethyl-p-rosaniline chloride	44	16
552-30-7	Trimellitic anhydride	56	*
552-30-7	Trimellitic anhydride	56	*
556-52-5	Glycidol	44	16
556-52-5	Transgenic model evaluation II (Glycidol)	35	16
563-47-3	3-Chloro-2-methylpropene	41	16

 Index of Chemicals by Chemical Abstracts Service
 Registry Number (CASRN) with Reference Location

CASRN	CHEMICAL NAME	PAGE	REF
569-61-9	C.I. Basic Red 9 Monohydrochloride	41	16
569-64-2	Malachite green	44	16
569-64-2	Malachite green	37	16
583-39-1	2-Mercaptobenzimidazole	53	*
583-39-1	2-Mercaptobenzimidazole	53	*
591-87-7	Allyl acetate	35	16
597-25-1	Dimethyl morpholinophosphoramidate	43	16
598-55-0	Methyl carbamate	45	16
599-79-1	Salicylazosulfapyridine	38	16
599-79-1	Salicylazosulfapyridine	47	16
600-14-6	2,3-Pentanedione	38	16
602-87-9	5-Nitroacenaphthene	45	16
604-75-1	Oxazepam	46	16
604-75-1	Oxazepam	46	16
607-91-0	Myristicin	38	16
@ 607-91-0	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX) (Primary CASRN is TGMXFLAVCLAS)	55	*
608-93-5	Pentachlorobenzene	38	16
609-20-1	2,6-Dichloro-p-phenylenediamine	42	16
611-14-3	2-ethyltoluene	52	*
611-14-3	2-ethyltoluene	32	4
612-82-8	3,3'-Dimethylbenzidine dihydrochloride	43	16
614-45-9	tert-Butyl perbenzoate	36	16
616-91-1	Antioxidant model (TRAMP) - N-acetylcysteine	51	*
619-17-0	4-Nitroanthranilic acid	45	16
620-14-4	3-ethyltoluene	52	*
622-51-5	p-Tolylurea	50	17
622-96-8	4-ethyltoluene	52	*
624-18-0	p-Phenylenediamine dihydrochloride	46	16
624-83-9	Methyl isocyanate	49	17
628-02-4	Hexanamide	49	17
630-16-0	Halogenated ethanes CS (1,1,1,2-Tetrabromoethane)	37	16
630-20-6	Halogenated ethanes CS (1,1,1,2-Tetrachloroethane)	37	16
630-20-6	1,1,1,2-Tetrachloroethane	47	16
631-64-1	Water disinfection byproducts (Dibromoacetic acid)	56	*
631-64-1	Water disinfection byproducts (Dibromoacetic acid)	48	16
636-21-5	o-Toluidine hydrochloride	48	16
636-21-5	o-Toluidine hydrochloride	39	16
643-22-1	Erythromycin stearate	43	16
643-79-8	ortho-Phthalaldehyde	38	16
678-39-7	Fluorotelomer Alcohol 8+2	32	3
693-13-0	Diisopropylcarbodiimide	37	16
693-13-0	Diisopropylcarbodiimide	35	16
693-13-0	Diisopropylcarbodiimide	35	16
693-13-0	Diisopropylcarbodiimide	43	16
693-98-1	2-Methylimidazole	38	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
693-98-1	2-Methylimidazole	45	16	1162-65-8	Aflatoxin B1 (TGMX)	32	5
700-06-1	Indole-3-carbinol	37	16	1163-19-5	Decabromodiphenyl Ether	32	5
700-06-1	Indole-3-carbinol	44	16	1163-19-5	Decabromodiphenyl Ether	42	16
700-06-1	Prevention 4 (Indole-3-carbinol)	54	*	1212-29-9	N,N'-Dicyclohexylthiourea	42	16
@ 700-06-1	Prevention 4 (Melatonin + indole-3-carbinol) (Primary CASRN is MEL+INDOLCAR)	54	*	1241-94-7	2-Ethylhexyl Diphenyl Phosphate	52	*
@ 723-46-6	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSX)	51	*	1271-19-8	Titanocene dichloride	48	16
@ 723-46-6	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSX)	51	*	1300-72-7	Sodium xylenesulfonate	38	16
@ 738-70-5	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSX)	51	*	1300-72-7	Sodium xylenesulfonate	47	16
@ 738-70-5	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSX)	51	*	1303-00-0	Gallium arsenide	37	16
756-79-6	Dimethyl methylphosphonate	43	16	1303-00-0	Gallium arsenide	43	16
770-35-4	Propylene glycol phenyl ether	38	16	1306-19-0	Cadmium oxide	36	16
789-61-7	beta-Thioguanidine deoxyriboside	48	16	1306-19-0	Cadmium oxide	36	16
822-36-6	4-Methylimidazole	38	16	1309-64-4	Antimony Trioxide	40	16
822-36-6	4-Methylimidazole	45	16	1313-27-5	Molybdenum trioxide	38	16
828-00-2	Dimethoxane	43	16	1313-27-5	Molybdenum trioxide	45	16
834-12-8	Ametryn	51	*	1313-99-1	Nickel (II) oxide	45	16
834-28-6	Phenformin hydrochloride	46	16	1314-62-1	Vanadium pentoxide	39	16
842-07-9	C.I. Solvent Yellow 14	42	16	1314-62-1	Vanadium pentoxide	48	16
865-21-4	Vinblastine	50	17	@ 1314-87-0	Lead contaminated soil (Primary CASRN is PBCONTAMSOIL)	53	*
868-85-9	Dimethyl hydrogen phosphite	43	16	1314-87-0	Lead sulfide	53	*
924-42-5	N-Methylolacrylamide	45	16	1314-87-0	Lead sulfide	53	*
924-42-5	Transgenic model evaluation (N-Methylolacrylamide)	56	*	1317-36-8	Lead oxide	53	*
924-42-5	Transgenic model evaluation (N-Methylolacrylamide)	56	*	1317-80-2	Nanoscale material (Rutile titanium dioxide)	53	*
930-68-7	2-Cyclohexen-1-one	52	*	1319-77-3	Cresols	36	16
952-23-8	Proflavin hydrochloride	46	16	1319-77-3	Cresols	42	16
959-24-0	QT drugs (sotalol hydrochloride)	54	*	1321-74-0	Divinylbenzene	52	*
961-11-5	Tetrachlorvinphos	47	16	1321-74-0	Divinylbenzene	43	16
968-81-0	Acetohexamide	39	16	@ 1327-53-3	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
982-57-0	Chloramphenicol sodium succinate	51	*	1328-53-6	C.I. Phthalocyanine green	52	*
989-38-8	Rhodamine 6G	47	16	@ 1330-20-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
989-51-5	Antioxidant model (TRAMP) - Epigallocatechin gallate	51	*	1330-20-7	Xylenes (mixed)	49	16
999-81-5	2-Chloroethyltrimethylammonium chloride	41	16	1330-78-5	Tricresyl Phosphate	56	*
1067-33-0	Dibutyltin diacetate	42	16	1330-78-5	Tricresyl Phosphate	56	*
1071-83-6	Glyphosate	37	16	1330-78-5	Tricresyl Phosphate	48	16
1071-83-6	Glyphosate	37	16	@ 1333-82-0	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
@ 1095-90-5	AZT + Methadone HCl (AIDS) (Primary CASRN is AZTMETHCOMB)	51	*	1338-23-4	Methyl ethyl ketone peroxide	38	16
1116-54-7	N-Nitrosodiethanolamine	53	*	1415-73-2	Aloin	51	*
1124-64-7	Ionic Liquid: N-Butylpyridinium Chloride	37	16	1420-04-8	Clonitralid	42	16
@ 1124-64-7	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*	1455-77-2	Guanazole	49	17
1156-19-0	Tolazamide	48	16	1465-25-4	N-(1-Naphthyl)ethylenediamine dihydrochloride	45	16
				1478-61-1	Bisphenol AF	33	6
				1582-09-8	Trifluralin	48	16
				1596-84-5	Daminozide	42	16
				1617-90-9	Vincamine	56	*
				1629-58-9	Ethyl vinyl ketone	52	*
				1634-78-2	Malaoxon	44	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
@ 1646-87-3	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	2164-17-2	Fluometuron	43	16
@ 1646-88-4	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	2185-92-4	2-Biphenylamine hydrochloride	40	16
1649-08-7	Halogenated ethanes CS (1,2-Dichloro-1,1-difluoroethane)	37	16	2243-62-1	1,5-Naphthalenediamine	45	16
1746-01-6	Toxic equivalency factor evaluation (TCDD)	47	16	2244-16-8	D-Carvone	41	16
1746-01-6	TEF transgenics (TCDD)	54	*	2385-85-5	Mirex	45	16
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	47	16	2425-85-6	C.I. Pigment Red 3	41	16
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	47	16	2426-08-6	n-Butyl Glycidyl Ether	51	*
@ 1746-01-6	Toxic equivalency factor evaluation (Dioxin mixture) (Primary CASRN is TEFDIOXINMIX)	48	16	2429-74-5	C.I. Direct Blue 15	41	16
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2432-99-7	11-Aminoundecanoic acid	40	16
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2438-88-2	2,3,5,6-Tetrachloro-4-nitroanisole	47	16
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2440-22-4	Phenolic Benzotriazoles (Drometrizole)	33	8
1746-01-6	Transgenic Model Evaluation (2,3,7,8-Tetrachlorodibenzodioxin)	56	*	2475-45-8	C.I. Disperse Blue 1	41	16
1747-60-0	6-Methoxy-2-benzothiazolamine	53	*	2489-77-2	Trimethylthiourea	48	16
1763-23-1	Perfluorooctane Sulfonate	38	16	2602-46-2	C.I. Direct Blue 6	36	16
1777-84-0	3-Nitro-p-acetophenetide	45	16	2602-46-2	C.I. Direct Blue 6	52	*
1825-21-4	Pentachloroanisole	46	16	2608-48-2	5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	53	*
1836-75-5	Nitrofen	45	16	2608-48-2	5-(4-Nitrophenyl)-2,4-pentadien-1-al (NPPD)	53	*
1836-75-5	Nitrofen	45	16	2698-41-1	o-Chlorobenzalmalononitrile (CS)	41	16
1896-62-4	Methyl trans-styryl ketone	53	*	2757-90-6	Agaritine	49	17
1896-62-4	Methyl trans-styryl ketone	53	*	2783-94-0	FD & C Yellow No. 6	43	16
1896-62-4	Methyl trans-styryl ketone	45	16	2784-94-3	HC Blue 1	44	16
1897-45-6	Chlorothalonil	41	16	2832-40-8	C.I. Disperse Yellow 3	41	16
@ 1912-24-9	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	2835-39-4	Allyl isovalerate	39	16
@ 1912-24-9	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	16	2835-95-2	5-Amino-o-cresol	35	16
1918-02-1	Picloram	46	16	2871-01-4	HC Red 3	44	16
1936-15-8	C.I. Acid Orange 10	41	16	3147-75-9	Phenolic Benzotriazoles (Octrizole)	33	6
1937-37-7	C.I. Direct Black 38	36	16	3147-76-0	Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)-4-tert-butylphenol)	33	6
1948-33-0	t-Butylhydroquinone	41	16	3165-93-3	4-Chloro-o-toluidine hydrochloride	41	16
1955-45-9	Pivalolactone	46	16	3252-43-5	Water disinfection byproducts (Dibromoacetonitrile)	49	16
1972-08-3	1-trans-delta-9-Tetrahydrocannabinol	39	16	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	51	*
1972-08-3	1-trans-delta-9-Tetrahydrocannabinol	47	16	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	36	16
1982-37-2	Methdilazine	53	*	3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol	40	16
2058-46-0	Oxytetracycline hydrochloride	46	16	3296-90-0	Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	43	16
				3296-90-0	Fish project 1 (2,2-bis(Bromomethyl)-1,3-propanediol)	43	16
				3380-34-5	Triclosan	56	*
				3380-34-5	Triclosan	48	16
				3380-34-5	Triclosan	33	6
				3416-24-8	Glucosamine	52	*
				3458-22-8	IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)	44	16
				3524-68-3	Pentaerythritol triacrylate	35	16
				3524-68-3	Pentaerythritol triacrylate	35	16
				3546-10-9	Phenesterin	46	16
				3567-69-9	C.I. Acid Red 14	41	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
3622-84-2	N-Butylbenzenesulfonamide	32	5	@ 6484-52-2	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16
3622-84-2	N-Butylbenzenesulfonamide	32	3				
3778-73-2	Isophosphamide	44	16				
3864-99-1	Phenolic Benzotriazoles (2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol)	33	6	@ 6484-52-2	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	16
3871-99-6	Perfluorohexane sulfonate potassium salt (PFHKSslt)	38	16	6533-68-2	Scopolamine hydrobromide trihydrate	38	16
3896-11-5	Phenolic Benzotriazoles (Bumetrizole)	33	6	6533-68-2	Scopolamine hydrobromide trihydrate	54	*
4170-30-3	Crotonaldehyde	52	*	6533-68-2	Scopolamine hydrobromide trihydrate	47	16
4320-30-3	L-Arginine Glutamate	49	17	6959-47-3	2-Chloromethylpyridine hydrochloride	41	16
4342-03-4	Dacarbazine	49	17	6959-48-4	3-Chloromethylpyridine hydrochloride	41	16
4465-94-5	Cytoxal alcohol	49	17	7008-42-6	Acronycine	39	16
5131-60-2	4-Chloro-m-phenylenediamine	41	16	7166-19-0	beta-Bromo-beta-nitrostyrene	36	16
5160-02-1	D&C Red No. 9	42	16	7177-48-2	Ampicillin trihydrate	40	16
5263-02-5	Zinc Carbonate, Basic	49	16	7220-79-3	Methylene blue trihydrate	53	*
5307-14-2	2-Nitro-p-phenylenediamine	45	16	7220-79-3	Methylene blue trihydrate	53	*
5392-40-5	Citral	42	16	7220-79-3	Methylene blue trihydrate	45	16
5392-40-5	Citral	52	*	7336-20-1	4,4'-Diamino-2,2'- stilbenedisulfonic acid, disodium salt	42	16
5392-40-5	Citral	52	*	@ 7439-92-1	Lead contaminated soil (Primary CASRN is PBCONTAMSOIL)	53	*
5407-04-5	Dimethylaminopropyl chloride, hydrochloride	52	*	7440-22-4	Nanoscale Silver	53	*
5407-04-5	Dimethylaminopropyl chloride, hydrochloride	37	16	7440-47-3	Chromium	49	17
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	54	*	7440-48-4	Cobalt	42	16
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	54	*	7446-18-6	Thallium (I) sulfate	33	6
5436-43-1	2,2',4,4'-Tetrabromodiphenyl Ether	38	16	7446-34-6	Selenium sulfide	47	16
5522-43-0	1-Nitropyrene	38	16	7446-34-6	Selenium sulfide	47	16
5589-96-8	Water disinfection byproducts (Bromochloroacetic acid)	48	16	@ 7481-89-2	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine (Primary CASRN is AZTDDCCOMB)	51	*
5634-39-9	Iodinated glycerol	44	16	7481-89-2	2',3'-Dideoxycytidine	52	*
5694-00-8	Glycidamide	44	16	7481-89-2	2',3'-Dideoxycytidine	52	*
@ 5743-04-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16	7481-89-2	2',3'-Dideoxycytidine	52	*
5989-27-5	D-Limonene	44	16	@ 7481-89-2	Interferon AD + ddC (AIDS Initiative) (Primary CASRN is INTDDCCOMB)	52	*
@ 6018-89-9	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16	@ 7487-94-7	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
6055-19-2	Transgenic model evaluation (Cyclophosphamide monohydrate)	55	*	7487-94-7	Mercuric chloride	45	16
6055-19-2	Transgenic model evaluation (Cyclophosphamide monohydrate)	55	*	7562-61-0	(+)-Usnic Acid	33	6
6055-52-3	1,6-Hexanediamine dihydrochloride	37	16	7632-00-0	Sodium nitrite	38	16
6055-52-3	1,6-Hexanediamine dihydrochloride	37	16	7632-00-0	Sodium nitrite	47	16
6109-97-3	3-Amino-9-ethylcarbazole HCl	39	16	7681-49-4	Sodium Fluoride	47	16
6317-18-6	Methylene bis(thiocyanate)	38	16	7681-49-4	Sodium Fluoride	50	17
6358-85-6	Diarylanilide yellow	42	16	@ 7681-52-9	Chloraminated water (Primary CASRN is CHLORAMINEMX)	41	16
6369-59-1	2,5-Toluenediamine sulfate	48	16	@ 7681-52-9	Chlorinated water (Primary CASRN is CHLORWATERMX)	41	16
6373-74-6	C.I. Acid Orange 3	41	16	7758-99-8	Cupric sulfate	36	16
6425-39-4	2,2'-Dimorpholinodiethyl Ether	32	5				
6459-94-5	C.I. Acid Red 114	41	16				
6471-49-4	C.I. Pigment Red 23	41	16				

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
7758-99-8	Cupric sulfate	36	16	9012-76-4	Chitosan	36	16
7772-99-8	Stannous chloride	47	16	10026-24-1	Cobalt sulfate heptahydrate		16
7775-09-9	Water disinfection byproducts (Sodium chlorate)	49	16	10026-24-1	Cobalt sulfate heptahydrate	42	16
@ 7782-50-5	Chlorinated water (Primary CASRN is CHLORWATERMX)	41	16	10028-15-6	Ozone	46	16
7784-42-1	Arsine	51	*	10028-15-6	Ozone	46	16
@ 7784-46-5	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	@ 10028-15-6	Ozone/NNK (Primary CASRN is OZONNNKCOMB)	46	16
@ 7784-46-5	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	10034-96-5	Manganese sulfate monohydrate	37	16
@ 7786-81-4	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16	10034-96-5	Manganese sulfate monohydrate	44	16
7789-12-0	Sodium dichromate dihydrate (VI)	47	16	10043-35-3	Boric acid	40	16
7789-12-0	Sodium dichromate dihydrate (VI)	38	16	@ 10060-12-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
7789-38-0	Water disinfection model (Sodium bromate)	35	16	10096-91-0	Phenolic Benzotriazoles (2-(2H-Benzotriazol-2-yl)phenol)	33	6
7789-38-0	Water disinfection model (Sodium bromate)	35	16	10101-97-0	Nickel sulfate hexahydrate	45	16
7789-38-0	Water disinfection model (Sodium bromate)	35	16	10102-18-8	Sodium selenite	38	16
7803-51-2	Phosphine	54	*	@ 10108-64-2	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
8000-27-9	Cedarwood oil	36	16	10213-10-2	Sodium Tungstate Dihydrate	34	10
8001-23-8	Safflower oil	47	16	10318-26-0	Dibromodulcitol	49	17
8001-26-1	Prevention 1 (Flaxseed oil)	54	*	10326-27-9	Barium chloride dihydrate	35	16
@ 8001-26-1	Prevention 1 (Flaxseed oil + melatonin) (Primary CASRN is FLAXSEED+MEL)	54	*	10326-27-9	Barium chloride dihydrate	40	16
8001-30-7	Corn oil	42	16	@ 10599-90-3	Chloraminated water (Primary CASRN is CHLORAMINEMX)	41	16
8001-35-2	Toxaphene	48	16	@ 11084-85-8	Chlorinated trisodium phosphate (Primary CASRN is 56802-99-4)	41	16
8001-79-4	Castor oil	36	16	@ 11096-82-5	Chemical mixture - drinking water contaminants (Primary CASRN is CHEMMIXH2O)	36	16
8001-97-6	Aloe vera gel	39	16	11097-69-1	Aroclor 1254	40	16
8003-03-0	Aspirin, phenacetin, and caffeine	40	16	12001-28-4	Asbestos, crocidolite	40	16
8003-22-3	D&C Yellow No. 11	36	16	12001-29-5	Asbestos, chrysotile(IR)	40	16
8003-22-3	D&C Yellow No. 11	42	16	12001-29-5	Asbestos, chrysotile(IR)	40	16
8008-20-6	Navy fuels JP-5	45	16	12001-29-5	Asbestos, chrysotile(IR) + Dimethyl hydrazine	40	16
8013-11-4	Senna (powdered)	38	16	12001-29-5	Asbestos, chrysotile(IR) + Dimethyl hydrazine	40	16
8013-11-4	Senna (powdered)	38	16	12001-29-5	Asbestos, chrysotile(SR)	40	16
8016-94-2	Brominated Vegetable Oil	36	16	12001-29-5	Asbestos, chrysotile(SR)	40	16
8024-37-1	Turmeric, oleoresin (curcumin)	48	16	12024-21-4	Gallium oxide	52	*
8057-49-6	Valerian (Valeriana officinalis L.) root extract	33	6	12035-72-2	Nickel subsulfide	45	16
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	44	16	12172-73-5	Asbestos, amosite + Dimethyl hydrazine	40	16
9000-40-2	Locust bean gum	44	16	13010-47-4	Lomustine	49	17
9002-18-0	Agar	39	16	13171-21-6	Phosphamidon	46	16
9002-89-5	Polyvinyl alcohol	46	16	@ 13292-46-1	AZT + Rifampin (AIDS Initiative) (Primary CASRN is AZTRIFAMPIN)	35	16
9005-65-6	Polysorbate 80 (glycol)	46	16	13311-84-7	Flutamide	52	*
@ 9007-28-7	Glucosamine Hydrochloride + Chondroitin Sulfate (Primary CASRN is GLUCOSCHONDN)	52	*	13366-73-9	Photodioldrin	46	16
9009-54-5	Polyurethane	50	17	13410-01-0	Sodium selenate	38	16
				13463-67-7	Titanium dioxide	48	16
				13552-44-8	4,4'-Methylenedianiline dihydrochloride	45	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
13674-84-5	Tris(Chloropropyl)phosphate	33	6	18662-53-8	Nitrilotriacetic acid trisodium monohydrate	45	16
13674-84-5	Tris(Chloropropyl)phosphate	48	16	18883-66-4	Streptozotocin	50	17
13718-26-8	Sodium Metavanadate	38	16	19010-66-3	Lead dimethyldithiocarbamate	44	16
13765-19-0	Calcium chromate	49	17	20265-96-7	p-Chloroaniline hydrochloride	41	16
13909-09-6	Methyl CCNU	49	17	20265-97-8	p-Anisidine hydrochloride	40	16
13983-17-0	Wollastonite calcium silicates	50	17	20265-97-8	Transgenic LEP (p-Anisidine hydrochloride)	55	*
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	54	*	20265-97-8	Transgenic model evaluation (p-Anisidine HCl)	55	*
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	38	16	20325-40-0	3,3'-Dimethoxybenzidine dihydrochloride	43	16
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	38	16	20830-81-3	Daunomycin	49	17
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	47	16	20941-65-5	Ethyl tellurac	43	16
14047-09-7	3,3',4,4'-Tetrachloroazobenzene	33	6	@ 21087-64-9	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	16
14371-10-9	trans-Cinnamaldehyde	41	16	21232-47-3	3,3',4,4'-Tetrachloroazoxybenzene	38	16
14371-10-9	trans-Cinnamaldehyde	52	*	@ 21416-67-1	ICRF-159 (Primary CASRN is 21416-87-5)	44	16
14567-73-8	Tremolite	48	16	21416-87-5	ICRF-159	44	16
14807-96-6	Talc	47	16	@ 21725-46-2	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	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)	38	16
14808-60-7	Silica, crystalline - quartz	54	*	22398-80-7	Indium phosphide	44	16
15356-70-4	DL-menthol	45	16	22839-47-0	Transgenic model evaluation II (Aspartame)	35	16
15481-70-6	2,6-Toluenediamine dihydrochloride (2,6-diaminotoluene dihydrochloride)	48	16	22839-47-0	Transgenic model evaluation II (Aspartame)	35	16
15481-70-6	Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	55	*	22966-79-6	Estradiol mustard	43	16
15481-70-6	Transgenic model evaluation (2,6-Diaminotoluene 2HCl)	55	*	23246-96-0	Riddelliine	38	16
15625-89-5	Trimethylolpropane triacrylate	35	16	23246-96-0	Riddelliine	47	16
15625-89-5	Trimethylolpropane triacrylate	35	16	24072-75-1	5,6-Dichloro-2-benzothiazolamine	52	*
15625-89-5	Trimethylolpropane triacrylate	48	16	24382-04-5	Malonaldehyde, sodium salt	44	16
15805-73-9	Transgenic LEP (Vinyl carbamate)	55	*	25013-15-4	Vinyl toluene	48	16
@ 15972-60-8	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	16	25152-84-5	2,4-Decadienal	52	*
16071-86-6	C.I. Direct Brown 95	36	16	25152-84-5	2,4-Decadienal	36	16
@ 16561-29-8	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	25265-71-8	Dipropylene glycol	37	16
@ 16561-29-8	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*	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	32	5
@ 16561-29-8	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	25812-30-0	Peroxisome project (Gemfibrozil)	54	*
@ 16561-29-8	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) (Primary CASRN is INIT/PROM)	44	16	25973-55-1	Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol)	33	6
16561-29-8	Tetradecanoyl phorbol acetate (TPA)	54	*	26040-51-7	Bis(2-ethylhexyl) tetrabromophthalate	38	16
16561-29-8	Transgenic LECM (Tetradecanoyl phorbol acetate (TPA))	55	*	26471-62-5	2,4- & 2,6-Toluene diisocyanate	48	16
17026-81-2	3-Amino-4-ethoxyacetanilide	39	16	26628-22-8	Sodium azide	47	16
17924-92-4	Zearalenone	49	16	26780-96-1	1,2-Dihydro-2,2,4-trimethylquinoline (polymer)	52	*
18107-18-1	Trimethylsilyldiazomethane (TMSD)	33	6	27774-13-6	Vanadyl sulfate	39	16
18662-53-8	Nitrilotriacetic acid trisodium monohydrate	45	16	27882-76-4	Chromium picolinate monohydrate	41	16
				28300-74-5	Antimony potassium tartrate		16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
28407-37-6	C.I. Direct Blue 218	36	16	32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	33	6
28407-37-6	C.I. Direct Blue 218	41	16				
29761-21-5	Isodecyl Diphenyl Phosphate	53	*	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	42	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	6
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	34885-03-5	4-Methylcyclohexanemethanol	38	16
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	@ 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 (AIDS)	40	16				
30516-87-1	3'-Azido-3'-deoxythymidine (AIDS)	40	16	35065-27-1	Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl)	48	16
@ 30516-87-1	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine (Primary CASRN is AZTDDCCOMB)	51	*	35691-65-7	1,2-Dibromo-2,4-dicyanobutane	52	*
@ 30516-87-1	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative) (Primary CASRN is AZTDDICOMB)	51	*	35691-65-7	1,2-Dibromo-2,4-dicyanobutane	52	*
				35691-65-7	1,2-Dibromo-2,4-dicyanobutane	36	16
				35691-65-7	1,2-Dibromo-2,4-dicyanobutane	42	16
@ 30516-87-1	AZT+3TC+NVP combination (Primary CASRN is AZT3TCCOMBO)	40	16	37319-17-8	Elmiron (sodium pentosanpolysulfate)	43	16
@ 30516-87-1	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDS DRUGSNEO)	51	*	37319-17-8	Elmiron (sodium pentosanpolysulfate)	37	16
				37853-59-1	1,2-Bis(2,4,6-tribromophenoxy)ethane	32	5
@ 30516-87-1	AZT + Isoniazid (AIDS Initiative) (Primary CASRN is AZTISONIAZID)	35	16	39156-41-7	2,4-Diaminoanisole sulfate	42	16
				39300-88-4	Tara gum	47	16
@ 30516-87-1	AZT + Methadone HCl (AIDS) (Primary CASRN is AZTMETHCOMB)	51	*	41372-08-1	Methyldopa sesquihydrate	45	16
				49562-28-9	Fenofibrate	33	6
@ 30516-87-1	AZT + Nitazoxanide (AIDS Initiative) (Primary CASRN is AZT+NITAZOX)	51	*	50471-44-8	Vinclozolin	56	*
				50647-08-0	Ginseng	44	16
@ 30516-87-1	AZT + Pyrazinamide combination (AIDS Initiative) (Primary CASRN is AZTZINAMIDE)	35	16	50647-08-0	Ginseng	33	8
				50679-08-8	QT drugs (terfenadine)	54	*
@ 30516-87-1	AZT + Rifampin (AIDS Initiative) (Primary CASRN is AZTRIFAMPIN)	35	16	50892-23-4	Peroxisome project (WY-14643)	38	16
				50892-23-4	Transgenic model evaluation (WY-14643)	56	*
@ 30516-87-1	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSX)	51	*	50892-23-4	Transgenic model evaluation (WY-14643)	56	*
				50892-23-4	Wyeth 14,643 (WY)	39	16
@ 30516-87-1	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPMSX)	51	*	50892-23-4	Wyeth 14,643 (WY)	56	*
				@ 51181-40-9	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	6
30516-87-1	AZT transplacental carcinogenesis study	40	16	@ 51218-45-2	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	16
@ 30516-87-1	Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative) (Primary CASRN is INTAZTCOMB)	44	16				
				51264-14-3	Amsacrine	49	17
31508-00-6	Toxic equivalency factor evaluation (PCB 118)	47	16	51481-10-8	Deoxynivalenol	32	2
@ 31508-00-6	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118) (Primary CASRN is TEFPCBMIX)	47	16	51730-94-0	Dipropylene glycol phenyl ether	32	4
				51936-55-1	Hexachlorocyclopentadienyl-dibromocyclooctane	32	5
32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	46	16	54150-69-5	2,4-Dimethoxyaniline hydrochloride	43	16
32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	53	*	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)	37	16
32534-81-9	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]	53	*				

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
55566-30-8	Tetrakis(hydroxymethyl)phosphonium sulfate	47	16	@ 64091-91-4	Ozone/NNK (Primary CASRN is OZONNNKCOMB)	46	16
55589-62-3	Transgenic Model Evaluation II (Acesulfame Potassium)	35	16	64742-88-7	Stoddard solvent (type LIC)	47	16
@ 55981-09-4	AZT + Nitazoxanide (AIDS Initiative) (Primary CASRN is AZT+NITAZOX)	51	*	65039-09-0	Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride	37	16
56802-99-4	Chlorinated trisodium phosphate	41	16	@ 65039-09-0	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*
56803-37-3	tert-Butylphenyl Diphenyl Phosphate	51	*	65646-68-6	Retinoid project 2 (4-(Hydroxyphenyl)retinamide)	54	*
57018-52-7	Propylene glycol mono-t-butyl ether	46	16	@ 65646-68-6	Retinoid project 1 (Primary CASRN is RETINOID1)	54	*
57117-31-4	Toxic equivalency factor evaluation (PECDF (Pentachlorodibenzofuran))	47	16	65646-68-6	Retinoid project 4 (4-(Hydroxyphenyl)retinamide)	54	*
@ 57117-31-4	TEF transgenics (PCB 126 / PECDF mixture) (Primary CASRN is TEFTGMIXTURE)	54	*	65646-68-6	Retinoid project 5 (4-(Hydroxyphenyl)retinamide)	54	*
57117-31-4	TEF transgenics (PECDF)	54	*	65646-68-6	Retinoid project 6 (4-HPR)	54	*
@ 57117-31-4	Toxic equivalency factor evaluation (Dioxin mixture) (Primary CASRN is TEFDIOXINMIX)	48	16	@ 65666-07-1	Prevention 2 (Silymarin)	54	*
57465-28-8	3,3',4,4',5-pentachlorobiphenyl (PCB 126)	53	*	@ 65666-07-1	Prevention 2 (Silymarin + melatonin) (Primary CASRN is SILLYMARN+MEL)	54	*
@ 57465-28-8	Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153) (Primary CASRN is TEFBINARYMIX)	47	16	67774-32-7	Polybrominated biphenyl mixture (Firemaster FF-1)	46	16
@ 57465-28-8	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118) (Primary CASRN is TEFPCEBMIX)	47	16	67774-32-7	Polybrominated biphenyl mixture (Firemaster FF-1)	46	16
57465-28-8	TEF transgenics (PCB 126)	54	*	68359-37-5	Cyfluthrin	52	*
@ 57465-28-8	TEF transgenics (PCB 126 / PECDF mixture) (Primary CASRN is TEFTGMIXTURE)	54	*	68603-42-9	Coconut oil acid diethanolamine condensate	42	16
@ 57465-28-8	Toxic equivalency factor evaluation (Dioxin mixture) (Primary CASRN is TEFDIOXINMIX)	48	16	68603-42-9	Transgenic LECM (Coconut oil acid diethanolamine condensate)	55	*
57465-28-8	Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl)	48	16	68603-42-9	Transgenic LECM (Coconut oil acid diethanolamine condensate)	55	*
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	44	16	68631-49-2	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	32	2
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	44	16	68937-41-7	Isopropylated Phenol Phosphate	32	5
59820-43-8	HC Yellow 4	44	16	68937-41-7	Isopropylated Phenol Phosphate	53	*
59865-13-3	Transgenic LEP (Cyclosporin A)	55	*	@ 69655-05-6	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative) (Primary CASRN is AZTDDICOMB)	51	*
59865-13-3	Transgenic model evaluation (Cyclosporin A)	55	*	70321-86-7	Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol)	33	6
59865-13-3	Transgenic model evaluation (Cyclosporin A)	55	*	71133-14-7	Water disinfection byproducts (Bromodichloroacetic Acid)	33	6
61702-44-1	2-Chloro-p-phenylenediamine sulfate	41	16	71133-14-7	Water disinfection byproducts (Bromodichloroacetic Acid)	56	*
@ 63449-39-8	Chlorinated paraffins: C12, 60% chlorine (Primary CASRN is 108171-26-2)	41	16	71133-14-7	Water disinfection byproducts (Bromodichloroacetic Acid)	48	16
@ 63449-39-8	Chlorinated paraffins: C23, 43% chlorine (Primary CASRN is 108171-27-3)	41	16	74764-40-2	QT drugs (bepidil hydrochloride)	54	*
				75330-75-5	QT drugs (Lovastatin)	54	*
				76231-76-0	alpha/beta Thujone mixture	33	6
				76231-76-0	alpha/beta Thujone mixture	39	16
				76231-76-0	alpha/beta Thujone mixture	48	16
				76543-88-9	Interferon A (AIDS Initiative)	44	16
				77439-76-0	3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone(MX)	51	*
				79794-75-5	QT drugs (Loratadine)	54	*

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
79917-90-1	Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride	53	*	@ 134678-17-4	AZT+3TC+NVP combination (Primary CASRN is AZT3TCCOMBO)	40	16
@ 79917-90-1	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*	@ 134678-17-4	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	51	*
84268-23-5	Phenolic Benzotriazoles (3-(2H- Benzotriazol-2-yl)-5-(1,1- dimethylethyl)-4- hydroxybenzenepropanoic acid, octyl ester)	49	17	@ 154598-52-4	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	51	*
84603-60-1	Goldenseal extract	52	*	@ 159989-65-8	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	51	*
84604-20-6	Milk thistle extract	45	16				
84604-20-6	Milk thistle extract	33	6				
84776-26-1	Black Cohosh	51	*	173584-44-6	Indoxacarb	52	*
84776-26-1	Black Cohosh	51	*	183658-27-7	2-ethylhexyl-2,3,4,5- tetrabromobenzoate	33	8
84776-26-1	Black Cohosh	51	*	299184-76-2	Dong quai (Angelica sinensis root extract)	32	2
84776-26-1	Black Cohosh	33	6				
84776-26-1	Black Cohosh	51	*	479500-35-1	Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride	53	*
84852-53-9	1,2-bis(pentabromophenyl)ethane	32	5				
85509-19-9	Flusilazole	52	*	@ 479500-35-1	Ionic liquid Toxicity (Primary CASRN is IONICLIQUIDS)	53	*
90045-23-1	Garcinia Cambogia Extract	52	*				
90045-36-6	Ginkgo biloba extract	44	16	@ 103-90-2	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
90045-36-6	Ginkgo biloba extract	52	*				
96180-79-9	Microcystin-LA (TGMX)	53	*	@ 103426-96-6	PCN 66/67 comparison study (Primary CASRN is PCNCOMPARISN)	38	16
@ 96180-79-9	Microcystin mixture (TGMX) (Primary CASRN is MICROCYSTNMX)	53	*	@ 103426-97-7	PCN 66/67 comparison study (Primary CASRN is PCNCOMPARISN)	38	16
@ 98955-27-2	Crude MCHM (Primary CASRN is CRUDEMCHM)	33	6	@ 1162-65-8	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
99685-96-8	Nanoscale Material (Fullerene C60 18 microns)	32	3	@ 1746-01-6	PCN 66/67 comparison study (Primary CASRN is PCNCOMPARISN)	38	16
99685-96-8	Nanoscale material (Fullerene-C60 1 micron)	38	16	@ 50-81-7	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
99685-96-8	Nanoscale Material (Fullerene C60 200 nanometers)	32	3	@ 69-72-7	alpha/beta Hydroxy acids (glycolic acid, salicylic acid) (Primary CASRN is HYDROXGLYSAL)	39	16
99685-96-8	Nanoscale material (Fullerene-C60 50 nanometers)	38	16	@ 73-22-3	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
101043-37-2	Microcystin-LR (TGMX)	53	*	@ 79-14-1	alpha/beta Hydroxy acids (glycolic acid, salicylic acid) (Primary CASRN is HYDROXGLYSAL)	39	16
@ 101043-37-2	Microcystin mixture (TGMX) (Primary CASRN is MICROCYSTNMX)	53	*	@ 81-49-2	Rat feed study (TGMX rat liver evaluation) (Primary CASRN is TGMXRALVFEED)	54	*
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	43	16				
119168-77-3	Tebufenpyrad	54	*				
121552-61-2	Cyprodinil	52	*				
125533-88-2	Retinoid project 6 (Arotinoid)	54	*				
125533-88-2	Retinoid project 3 (Arotinoid)	54	*				
125533-88-2	Retinoid project 5 (Arotinoid)	54	*				
@ 129618-40-2	AZT+3TC+NVP combination (Primary CASRN is AZT3TCCOMBO)	40	16	AAV2HAQP1	Serotype 2 Adeno-associated Viral Vector hAQp1 (rAAV2hAQp1)	38	16
@ 129618-40-2	AZT/Drug Combinations Transplacental/Neonatal Study (Primary CASRN is AIDSDRUGSNEO)	51	*	AAVIRAAPVEPO	Serotype 2 Adeno-associated Viral Vector rAAV2rapahEpo	38	16

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
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	6
ADNVIRVECAQP	Adenoviral Vector (AdhAQP1)	51	*	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol) (Primary CASRN is 70321-86-7)	33	6
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	6
AIDSDRUGSNEO	AZT/Drug Combinations Transplacental/Neonatal Study	51	*	@ BENZOTRIAZOLE	Phenolic Benzotriazoles (Bumetizole) (Primary CASRN is 3896-11-5)	33	6
AIDSTHERAPEU	AZT/Drug Combinations Transplacental Carcinogenesis Study	40	16	BLASTINGSAND	Abrasive Blasting Agents: Blasting Sand	34	14
AIRLUNGINT	Air-Lung Interface Model	32	4	CARDIOGENEVL	Cardio Transmitter Gene Evaluation	51	*
ALOEPHOTOTOX	Aloe phototoxicity studies	39	16	CELLPRADCDMA	Cell Phone Radiation: CDMA	34	14
ALOEVFILTER	Aloe vera charcoal filtered whole leaf extract	39	16	CELLPRADGSM	Cell Phone Radiation: GSM	34	14
ALOEVLEAFEXT	Aloe vera whole leaf extract (native)	39	16	CELLULOSEINS	Cellulose insulation	36	16
ALOEVLEAFEXT	Aloe vera whole leaf extract (native)	39	16	CHEMMIXH2O	Chemical mixture - drinking water contaminants	36	16
ALTERNARIA	Alternaria alternata mold	32	3	CHLORAMINEMX	Chloraminated water	41	16
AMINOPYRCOMP	Comparison study of Aminopyridines/Troponin levels	51	*	CHLORWATERMX	Chlorinated water	41	16
ANTIOXCOMBO2	Arsenic antioxidant mixture	51	*	CIMSTAR3800	Metal Working Fluids: CIMSTAR 3800	45	16
ANTIOXCOMBO2	Arsenic antioxidant mixture	51	*	COALSLAG	Abrasive blasting agents (coal slag)	50	*
@ ANTIQXMODEL	Antioxidant model (TRAMP) - Epigallocatechin gallate (Primary CASRN is 989-51-5)	51	*	CRUDEMCHM	Crude MCHM	33	6
ASPERGILLUS	Aspergillus fumigatus mold	33	6	CRUMBRUBBERVARIOUS	Crude rubber various	36	16
AZT+NITAZOX	AZT + Nitazoxanide (AIDS Initiative)	51	*	CRUSHEDGLASS	Abrasive blasting agents (crushed glass)	51	*
AZT3TCCOMBO	AZT+3TC+NVP combination	40	16	DAMPBLDGMOLD	Damp Building Mold Mixture	32	3
AZTDDCCOMB	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine	51	*	DIESELFUEL	Diesel fuel marine	42	16
AZTDDICOMB	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative)	51	*	DIET2000	NTP-2000 diet	53	*
AZTISONIAZID	AZT + Isoniazid (AIDS Initiative)	35	16	DIET88+EGMBE	NTP-88 diet study (EGMBE)	53	*
AZTMETHCOMB	AZT + Methadone HCl (AIDS)	51	*	DIET88+EGMEE	NTP-88 diet study (EGMEE)	53	*
AZTRIFAMPIN	AZT + Rifampin (AIDS Initiative)	35	16	DIET88+EGMME	NTP-88 diet study (EGMME)	53	*
AZTTMPMSX	AZT + TMP/SMX (mixture) combination	51	*	DIET88+MNITR	NTP-88 diet study (m-Nitrotoluene)	53	*
AZTTMPMSX	AZT + TMP/SMX (mixture) combination	51	*	DIET88+ONITR	NTP-88 diet study (o-Nitrotoluene)	53	*
AZTZINAMIDE	AZT + Pyrazinamide combination (AIDS Initiative)	35	16	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	6	DIET90	NTP 90 diet study	50	17
@ BENZOTRIAZOLE	Phenolic Benzotriazoles (Drometizole) (Primary CASRN is 2440-22-4)	33	8	DIET9192	NTP 91/92 diet study	50	17
@ BENZOTRIAZOLE	Phenolic Benzotriazoles (3- (2H-Benzotriazol-2-yl)- 5-(1,1-dimethylethyl)-4- hydroxybenzenepropanoic acid, octyl ester) (Primary CASRN is 84268-23-5)	49	17	DIETEVAL	Diet Evaluation Study	52	*
@ BENZOTRIAZOLE	Phenolic Benzotriazoles (Octrizole) (Primary CASRN is 3147-75-9)	33	6	DIETH/DIMETH	Diethyl phthalate/dimethyl phthalate	42	16
@ BENZOTRIAZOLE	Phenolic Benzotriazoles (2-(2H- Benzotriazol-2-yl)phenol) (Primary CASRN is 10096-91-0)	33	6	ECOLI_LPS	Lipopolysaccharides from Escherichia coli	53	*
				@ EFSSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	8
				@ EFSSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	7
				ELECTROMAG	Magnetic fields (EMF)	44	16
				ELECTROMAG	Magnetic fields (EMF)	53	*

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location			
CASRN	CHEMICAL NAME	PAGE	REF	CASRN	CHEMICAL NAME	PAGE	REF
ELECTROMAG	Magnetic fields (EMF)	37	16	INSERTMUT2	Insertional mutagenesis II (SIN vector)	52	*
@ ELECTROMAG	Magnetic fields + DMBA initiation promotion (Primary CASRN is EMF+DMBA)	37	16	INSERTMUT3	Insertional Mutagenesis - Definitive Vector Study	33	8
EMF+DMBA	Magnetic fields + DMBA initiation promotion	37	16	INSERTMUT3	Insertional Mutagenesis - Definitive Vector Study	33	7
@ EMTDP-33	Diesel fuel marine (Primary CASRN is DIESELFUEL)	42	16	INSERTMUTRAD	Insertional mutagenesis (Radiation Levels)	52	*
@ EMTDP-71	Chlorinated paraffins: C23, 43% chlorine (Primary CASRN is 108171-27-3)	41	16	INTAZTCOMB	Interferon AD + 3'-azido-3'-deoxythymidine (AIDS Initiative)	44	16
EMTDP-74	Selsun	47	16	INTDDCCOMB	Interferon AD + ddC (AIDS Initiative)	52	*
EMTDP-75	Black newsprint ink	36	16	INTERFERONAD	Interferon AD (AIDS Initiative)	44	16
EMTDP-76	3-Methyl-6-methoxy-2-amino-benzothiazolium chloride	53	*	@ 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)	52	*
@ EMTDP-86	3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine (Primary CASRN is AZTDDCCOMB)	51	*	IONICLIQUIDS	Ionic liquid Toxicity	53	*
@ EMTDP-92	Pesticide/fertilizer contamination--mixture 2 (Primary CASRN is PESTFERTMIX2)	38	16	ISOFLAVCONCN	Prevention 6 (isoflavone concentrate)	54	*
@ EMTDP-93	Pesticide/fertilizer contamination--mixture 3 (Primary CASRN is PESTFERTMIX3)	38	16	ISOFLAVSOYPT	Prevention 6 (low isoflavone soy protein powder)	54	*
@ EMTDP-99	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	39	16	LA2007	Libby Amphibole 2007	33	6
@ EMTDP-99	Urethane + ethanol (combination) (Primary CASRN is URETHCOMB)	48	16	LEADORES	Lead ores	53	*
EPHEDCOMBO	Ephedrine + caffeine combination	52	*	L-MWNT-1020	1020 Long Multiwalled Carbon Nanotube	34	13
EPHEDCOMBO	Ephedrine + caffeine combination	52	*	L-MWNT-1020	1020 Long Multiwalled Carbon Nanotube	33	7
FEEDRESTRICT	Feed restriction studies	43	16	@ LTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	8
FLAXSEED+MEL	Prevention 1 (Flaxseed oil + melatonin)	54	*	@ LTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	7
GARNET	Abrasive blasting agents (garnet)	51	*	MEL+CURCUMIN	Prevention 4 (Melatonin + curcumin)	54	*
GLUCOSCHONDN	Glucosamine Hydrochloride + Chondroitin Sulfate	52	*	MEL+INDOLCAR	Prevention 4 (Melatonin + indole-3-carbinol)	54	*
GLYCINEBENZA	Benzyl acetate + glycine combination study	51	*	MELCYANCOMB	Melamine + Cyanuric Acid combination	53	*
GOLDENSEALRT	Goldenseal root powder	37	16	MELCYANCOMB	Melamine + Cyanuric Acid combination	53	*
GOLDENSEALRT	Goldenseal root powder	44	16	MELCYANCOMB	Melamine + Cyanuric Acid combination	53	*
GREENTEAEXTR	Green Tea Extract	52	*	MELCYANCOMB	Melamine + Cyanuric Acid combination	53	*
GREENTEAEXTR	Green Tea Extract	44	16	MELCYANCOMB	Melamine + Cyanuric Acid combination	32	4
GUMGUGGULEXT	Gum Guggul Extract	52	*	MICROBIOME	Microbiome	33	6
H2ODAMAGEMLD	Water Damaged Building Mold Mixture	32	3	MICROCYSTNMX	Microcystin mixture (TGMX)	53	*
HEMATITESPEC	Abrasive Blasting Agents: Specular Hematite	34	14	MOUSEAGE	Mouse ageing study	50	17
HYDROXGLYSAL	alpha/beta Hydroxy acids (glycolic acid, salicylic acid)	39	16	MOUSEPHENO1	Ageing Cohort Study: 12951/SvlmJ mouse	34	11
INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16	MOUSEPHENO10	Ageing Cohort Study: NZO/HiLtJ mouse	34	11
INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16	MOUSEPHENO2	Ageing Cohort Study: A/J mouse	34	11
INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16	MOUSEPHENO3	Ageing Cohort Study: C3H/HeJ mouse	34	11
INIT/PROM	Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	44	16	MOUSEPHENO4	Ageing Cohort Study: C57/BL/6J mouse	34	11
INSERTMUT	Insertional mutagenesis (LTR/SIN vectors)	52	*	MOUSEPHENO5	Ageing Cohort Study: CAST/EiJ mouse	34	11

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

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

Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location					Index of Chemicals by Chemical Abstracts Service Registry Number (CASRN) with Reference Location				
CASRN	CHEMICAL NAME	PAGE	REF		CASRN	CHEMICAL NAME	PAGE	REF	
MOUSEPHENO6	Aging Cohort Study: B6C3F1J mouse	34	11		SYNTILO1023	Metal working fluids (Syntilo 1023)	53	*	
MOUSEPHENO7	Aging Cohort Study: NOD. B10Sn-H2(b)/J	34	11		TEFBINARYMIX	Toxic equivalency factor evaluation (Binary mixture; PCB 126/PCB 153)	47	16	
MOUSEPHENO8	Aging Cohort Study: PWK/PhJ mouse	34	11		TEFDIOXINMIX	Toxic equivalency factor evaluation (Dioxin mixture)	48	16	
MOUSEPHENO9	Aging Cohort Study: WSB/EIJ mouse	34	11		TEFPCBMIX	Toxic equivalency factor evaluation (PCB Mixture; PCB 126/PCB 118)	47	16	
@ NAOSPINEXTR	Arsenic antioxidant mixture (Primary CASRN is ANTIOXCOMBO2)	51	*		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)	35	16	
NAOSPINEXTR	Antioxidant model (TRAMP) - NAO (spinach extract)	51	*		TGMXFLAVCLAS	Toxicogenomics study of allylbenzene & propenylbenzene class flavor constituents (TGMX)	55	*	
NCTSTANDARD	NCT/DERT standardization experiment (APAP & AMAP)	53	*		TGMXRALVFEEED	Rat feed study (TGMX rat liver evaluation)	54	*	
@ NTPMOCKVEC	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	8		@ THUJONEMIXAB	alpha/beta Thujone mixture (Primary CASRN is 76231-76-0)	33	6	
@ NTPMOCKVEC	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	7		@ 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	38	16		@ TMPSMXMIXNTP	AZT + TMP/SMX (mixture) combination (Primary CASRN is AZTTMPSMX)	51	*	
PESTFERTMIX2	Pesticide/fertilizer contamination--mixture 2	38	16		TRIMSC210	Metal working fluids (Trim SC210)	53	*	
PESTFERTMIX3	Pesticide/fertilizer contamination--mixture 3	38	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)	33	8	
PREVENTION10	Prevention 10 (Soy isoflavone concentrate)	54	*		@ UORFLTRVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	7	
PREVENTION7	Prevention 7 (feed controls)	54	*		URETHCOMB	Urethane + ethanol (combination)	39	16	
@ PSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	8		URETHCOMB	Urethane + ethanol (combination)	48	16	
@ PSINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	7		USNEALICHEN	Usnea Lichen	33	6	
QUANTUMDOTS	Nanoscale material (Quantum dots)	53	*						
RAV5SCTLA4IG	Serotype 5 Adeno-associated Viral Vector (rAAV5SCTLA4:Ig)	38	16						
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	*						
@ SINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	8						
@ SINVECTOR	Insertional Mutagenesis - Definitive Vector Study (Primary CASRN is INSERTMUT3)	33	7						
STACHYSTRN1	Stachybotrys chartarum strain 1 mold (macrocyclic trichothecene chemotype)	32	3						
STACHYSTRN2	Stachybotrys chartarum strain 2 mold (atranone chemotype)	32	3						
STEELWELDFUM	Welding fumes	56	*						

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

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