

Agency for Toxic Substances and Disease Registry
MINIMAL RISK LEVELS (MRLs)
 December 2008

Name	Route	Dura- tion	MRL	Uncertainty Factors	Endpoint	Status	Cover Date	CAS Number	
ACENAPHTHENE	Oral	Int.	0.6 mg/kg/day	300	Hepatic	Final	08/95	000083-32-9	
ACETONE	Inh.	Acute	26 ppm	9	Neurol.	Final	05/94	000067-64-1	
		Int.	13 ppm	100	Neurol.				
		Chr.	13 ppm	100	Neurol.				
	Oral	Int.	2 mg/kg/day	100	Hemato.				
ACROLEIN	Inh.	Acute	0.003 ppm	100	Resp.	Final	08/07	000107-02-8	
		Int.	0.00004 ppm	300	Resp.				
	Oral	Int.	0.004 mg/kg/day	100	Gastro.				
ACRYLONITRILE	Inh.	Acute	0.1 ppm	10	Neurol.	Final	12/90	000107-13-1	
		Oral	Acute	0.1 mg/kg/day	100				Develop.
			Int.	0.01 mg/kg/day	1000				Repro.
			Chr.	0.04 mg/kg/day	100				Hemato.
ALDRIN	Oral	Acute	0.002 mg/kg/day	1000	Develop.	Final	09/02	000309-00-2	
		Chr.	0.00003 mg/kg/day	1000	Hepatic				
ALUMINUM	Oral	Int.	1.0 mg/kg/day	30	Neurol.	Final	09/08	007429-90-5	
		Chr.	1.0 mg/kg/day	90	Neurol.				
AMERICIUM	Rad.	Acute	4 mSv	3	Develop.	Final	10/04	007440-35-9	
		Chr.	1 mSv/yr	3	Other				
AMMONIA	Inh.	Acute	1.7 ppm	30	Resp.	Final	10/04	007664-41-7	
		Chr.	0.1 ppm	30	Resp.				
ANTHRACENE	Oral	Int.	10 mg/kg/day	100	Hepatic	Final	08/95	000120-12-7	
ARSENIC	Oral	Acute	0.005 mg/kg/day	10	Gastro.	Final	08/07	007440-38-2	
		Chr.	0.0003 mg/kg/day	3	Dermal				
ATRAZINE	Oral	Acute	0.01 mg/kg/day	100	Body Wt.	Final	09/03	001912-24-9	
		Int.	0.003 mg/kg/day	300	Repro.				

BARIUM, SOLUBLE SALTS	Oral	Int.	0.2 mg/kg/day	100	Renal	Final	08/07	007440-39-3
		Chr.	0.2 mg/kg/day	100	Renal			
BENZENE	Inh.	Acute	0.009 ppm	300	Immuno.	Final	08/07	000071-43-2
		Int.	0.006 ppm	300	Immuno.			
	Oral	Chr.	0.003 ppm	10	Immuno.	Final	08/07	000071-43-2
		Chr.	0.0005 mg/kg/day	30	Immuno.			
BERYLLIUM	Oral	Chr.	0.002 mg/kg/day	300	Gastro.	Final	09/02	007440-41-7
BIS (CHLOROMETHYL) ETHER	Inh.	Int.	0.0003 ppm	100	Resp.	Final	12/89	000542-88-1
BIS (2-CHLOROETHYL) ETHER	Inh.	Int.	0.02 ppm	1000	Body Wt.	Final	12/89	000111-44-4
BORON	Inh.	Acute	0.01 mg/m ³	30	Resp.	Draft	09/07	007440-42-8
		Oral	Acute	0.2 mg/kg/day	100			
	Oral	Int.	0.2 mg/kg/day	66	Develop.			
BROMODICHLOROMETHANE	Oral	Acute	0.04 mg/kg/day	1000	Hepatic	Final	12/89	000075-27-4
		Chr.	0.02 mg/kg/day	1000	Renal			
BROMOFORM	Oral	Acute	0.7 mg/kg/day	100	Hepatic	Final	09/05	000075-25-2
		Int.	0.2 mg/kg/day	300	Hepatic			
		Chr.	0.02 mg/kg/day	3000	Hepatic			
BROMOMETHANE	Inh.	Acute	0.05 ppm	100	Neurol.	Final	09/92	000074-83-9
		Int.	0.05 ppm	100	Neurol.			
		Chr.	0.005 ppm	100	Neurol.			
	Oral	Int.	0.003 mg/kg/day	100	Gastro.			
CADMIUM	Inh.	Acute	0.00003 mg/m ³	300	Resp.	Draft	09/08	007440-43-9
		Chr.	0.00001 mg/m ³	9	Renal			
	Oral	Int.	0.0005 mg/kg/day	100	Musculo.	Final	09/05	000056-23-5
		Chr.	0.0001 mg/kg/day	3	Renal			
CARBON DISULFIDE	Inh.	Chr.	0.3 ppm	30	Neurol.	Final	08/96	000075-15-0
		Oral	Acute	0.01 mg/kg/day	300			
CARBON TETRACHLORIDE	Inh.	Int.	0.03 ppm	30	Hepatic	Final	09/05	000056-23-5
		Chr.	0.03 ppm	30	Hepatic			
	Oral	Acute	0.02 mg/kg/day	300	Hepatic	Final	09/05	000056-23-5
		Int.	0.007 mg/kg/day	100	Hepatic			

CESIUM	Rad.	Acute	4 mSv	3	Develop.	Final	10/04	007440-46-2
		Chr.	1 mSv/yr	3	Other			
CHLORDANE	Inh.	Int.	0.0002 mg/m3	100	Hepatic	Final	05/94	000057-74-9
		Chr.	0.00002 mg/m3	1000	Hepatic			
	Oral	Acute	0.001 mg/kg/day	1000	Develop.			
		Int.	0.0006 mg/kg/day	100	Hepatic			
	Chr.	0.0006 mg/kg/day	100	Hepatic				
CHLORDECONE	Oral	Acute	0.01 mg/kg/day	100	Neurol.	Final	08/95	000143-50-0
		Int.	0.0005 mg/kg/day	100	Renal			
		Chr.	0.0005 mg/kg/day	100	Renal			
CHLORFENVINPHOS	Oral	Acute	0.002 mg/kg/day	1000	Neurol.	Final	09/97	000470-90-6
		Int.	0.002 mg/kg/day	1000	Immuno.			
		Chr.	0.0007 mg/kg/day	1000	Neurol.			
CHLORINE	Inh.	Acute	0.07 ppm	3	Resp.	Draft	09/07	007782-50-5
		Int.	0.002 ppm	90	Resp.			
		Chr.	0.00005 ppm	30	Resp.			
CHLORINE DIOXIDE	Inh.	Int.	0.001 ppm	300	Resp.	Final	10/04	010049-04-4
CHLORITE	Oral	Int.	0.1 mg/kg/day	30	Neurol.	Final	10/04	007758-19-2
CHLOROBENZENE	Oral	Int.	0.4 mg/kg/day	100	Hepatic	Final	12/90	000108-90-7
CHLORODIBROMOMETHANE	Oral	Acute	0.1 mg/kg/day	300	Hepatic	Final	09/05	000124-48-1
		Chr.	0.09 mg/kg/day	300	Hepatic			
CHLOROETHANE	Inh.	Acute	15 ppm	100	Develop.	Final	12/98	000075-00-3
CHLOROFORM	Inh.	Acute	0.1 ppm	30	Hepatic	Final	09/97	000067-66-3
		Int.	0.05 ppm	300	Hepatic			
		Chr.	0.02 ppm	100	Hepatic			
	Oral	Acute	0.3 mg/kg/day	100	Hepatic			
		Int.	0.1 mg/kg/day	100	Hepatic			
		Chr.	0.01 mg/kg/day	1000	Hepatic			
CHLOROMETHANE	Inh.	Acute	0.5 ppm	100	Neurol.	Final	12/98	000074-87-3
		Int.	0.2 ppm	300	Hepatic			
		Chr.	0.05 ppm	1000	Neurol.			

CHLORPYRIFOS	Oral	Acute	0.003 mg/kg/day	10	Neurol.	Final	09/97	002921-88-2
		Int.	0.003 mg/kg/day	10	Neurol.			
		Chr.	0.001 mg/kg/day	100	Neurol.			
CHROMIUM(III) SOLUBLE PARTICULATES	Inh.	Int.	0.0001 mg/m3	300	Resp.	Draft	09/08	016065-83-1
CHROMIUM(III) INSOL. PARTICULATES	Inh.	Int.	0.005 mg/m3	90	Resp.	Draft	09/08	016065-83-1
CHROMIUM(VI)	Oral	Int.	0.005 mg/kg/day	100	Hemato.	Draft	09/08	018540-29-9
		Chr.	0.001 mg/kg/day	100	Gastro.			
CHROMIUM(VI), AEROSOL MISTS	Inh.	Int.	0.000005 mg/m3	100	Resp.	Draft	09/08	018540-29-9
		Chr.	0.000005 mg/m3	100	Resp.			
CHROMIUM(VI), PARTICULATES	Inh.	Int.	0.0003 mg/m3	30	Resp.	Draft	09/08	018540-29-9
COBALT	Inh.	Chr.	0.0001 mg/m3	10	Resp.	Final	10/04	007440-48-4
		Oral	Int.	0.01 mg/kg/day	100			
	Rad.	Acute	4 mSv	3	Develop.			
		Chr.	1 mSv/yr	3	Other			
COPPER	Oral	Acute	0.01 mg/kg/day	3	Gastro.	Final	10/04	007440-50-8
		Int.	0.01 mg/kg/day	3	Gastro.			
CRESOLS	Oral	Int.	0.1 mg/kg/day	100	Resp.	Final	09/08	001319-77-3
		Chr.	0.1 mg/kg/day	1000	Resp.			
CYANIDE, SODIUM	Oral	Int.	0.05 mg/kg/day	100	Repro.	Final	07/06	000143-33-9
CYCLOTETRAMETHYLENE TETRANITRAMINE (HMX)	Oral	Acute	0.1 mg/kg/day	1000	Neurol.	Final	09/97	002691-41-0
		Int.	0.05 mg/kg/day	1000	Hepatic			
CYCLOTRIMETHYLENETRINITRAMINE (RDX)	Oral	Acute	0.06 mg/kg/day	100	Neurol.	Final	06/95	000121-82-4
		Int.	0.03 mg/kg/day	300	Repro.			
CYHALOTHRIN	Oral	Acute	0.01 mg/kg/day	100	Gastro.	Final	09/03	068085-85-8
		Int.	0.01 mg/kg/day	100	Gastro.			
CYPERMETHRIN	Oral	Acute	0.02 mg/kg/day	100	Neurol.	Final	09/03	052315-07-8
DDT, P,P'-	Oral	Acute	0.0005 mg/kg/day	1000	Develop.	Final	09/02	000050-29-3
		Int.	0.0005 mg/kg/day	100	Hepatic			
DI(2-ETHYLHEXYL) PHTHALATE	Oral	Int.	0.1 mg/kg/day	100	Repro.	Final	09/02	000117-81-7
		Chr.	0.06 mg/kg/day	100	Repro.			

DI-N-BUTYL PHTHALATE	Oral	Acute	0.5 mg/kg/day	100	Develop.	Final	09/01	000084-74-2
DI-N-OCTYL PHTHALATE	Oral	Acute	3 mg/kg/day	300	Hepatic	Final	09/97	000117-84-0
		Int.	0.4 mg/kg/day	100	Hepatic			
DIAZINON	Inh.	Int.	0.01 mg/m3	30	Neurol.	Final	09/08	000333-41-5
		Oral	Acute	0.006 mg/kg/day	100			
	Oral	Int.	0.002 mg/kg/day	100	Neurol.			
		Chr.	0.0007 mg/kg/day	100	Neurol.			
DICHLOROBENZENE, 1,2-	Oral	Acute	0.7 mg/kg/day	100	Hepatic	Final	07/06	000095-50-1
		Int.	0.6 mg/kg/day	100	Hepatic			
		Chr.	0.3 mg/kg/day	100	Renal			
DICHLOROBENZENE, 1,3-	Oral	Acute	0.4 mg/kg/day	100	Hepatic	Final	07/06	000541-73-1
		Int.	0.02 mg/kg/day	100	Endocr.			
DICHLOROBENZENE, 1,4-	Inh.	Acute	2 ppm	10	Ocular	Final	07/06	000106-46-7
		Int.	0.2 ppm	100	Hepatic			
		Chr.	0.01 ppm	30	Resp.			
	Oral	Int.	0.07 mg/kg/day	100	Hepatic			
Chr.		0.07 mg/kg/day	100	Hepatic				
DICHLORVOS	Inh.	Acute	0.002 ppm	100	Neurol.	Final	09/97	000062-73-7
		Int.	0.0003 ppm	100	Neurol.			
		Chr.	0.00006 ppm	100	Neurol.			
	Oral	Acute	0.004 mg/kg/day	1000	Neurol.			
		Int.	0.003 mg/kg/day	10	Neurol.			
		Chr.	0.0005 mg/kg/day	100	Neurol.			
DIELDRIN	Oral	Int.	0.0001 mg/kg/day	100	Neurol.	Final	09/02	000060-57-1
		Chr.	0.00005 mg/kg/day	100	Hepatic			
DIETHYL PHTHALATE	Oral	Acute	7 mg/kg/day	300	Repro.	Final	06/95	000084-66-2
		Int.	6 mg/kg/day	300	Hepatic			
DIISOPROPYL METHYLPHOSPHONATE (DIMP)	Oral	Int.	0.8 mg/kg/day	100	Hemato.	Final	10/98	001445-75-6
		Chr.	0.6 mg/kg/day	100	Hemato.			
DIMETHYLARSINIC ACID (DMA)	Oral	Chr.	0.02 mg/kg/day	100	Renal	Final	08/07	000075-60-5

DISULFOTON	Inh.	Acute	0.006 mg/m3	30	Neurol.	Final	08/95	000298-04-4	
		Int.	0.0002 mg/m3	30	Neurol.				
	Oral	Acute	0.001 mg/kg/day	100	Neurol.	Final	08/95	000298-04-4	
		Int.	0.00009 mg/kg/day	100	Develop.				
	Chr.	0.00006 mg/kg/day	1000	Neurol.					
ENDOSULFAN	Oral	Int.	0.005 mg/kg/day	100	Immuno.	Final	09/00	000115-29-7	
		Chr.	0.002 mg/kg/day	100	Hepatic				
ENDRIN	Oral	Int.	0.002 mg/kg/day	100	Neurol.	Final	08/96	000072-20-8	
		Chr.	0.0003 mg/kg/day	100	Neurol.				
ETHION	Oral	Acute	0.002 mg/kg/day	30	Neurol.	Final	09/00	000563-12-2	
		Int.	0.002 mg/kg/day	30	Neurol.				
		Chr.	0.0004 mg/kg/day	150	Neurol.				
ETHYLBENZENE	Inh.	Acute	10 ppm	30	Neurol.	Draft	09/07	000100-41-4	
		Int.	0.7 ppm	300	Neurol.				
		Chr.	0.3 ppm	300	Renal				
	Oral	Int.	0.5 mg/kg/day	100	Renal				
ETHYLENE GLYCOL	Inh.	Acute	2 mg/m3	10	Resp.	Draft	09/07	000107-21-1	
		Oral	Acute	0.8 mg/kg/day	100				Develop.
		Int.	0.8 mg/kg/day	100	Develop.				
ETHYLENE OXIDE	Inh.	Int.	0.09 ppm	100	Renal	Final	12/90	000075-21-8	
FLUORANTHENE	Oral	Int.	0.4 mg/kg/day	300	Hepatic	Final	08/95	000206-44-0	
FLUORENE	Oral	Int.	0.4 mg/kg/day	300	Hepatic	Final	08/95	000086-73-7	
FLUORIDE, SODIUM	Oral	Chr.	0.05 mg/kg/day	3	Musculo.	Final	09/03	007681-49-4	
FLUORINE	Inh.	Acute	0.01 ppm	10	Resp.	Final	09/03	007782-41-4	
FORMALDEHYDE	Inh.	Acute	0.04 ppm	9	Resp.	Final	07/99	000050-00-0	
		Int.	0.03 ppm	30	Resp.				
		Chr.	0.008 ppm	30	Resp.				
	Oral	Int.	0.3 mg/kg/day	100	Gastro.				
		Chr.	0.2 mg/kg/day	100	Gastro.				
FUEL OIL NO.2	Inh.	Acute	0.02 mg/m3	1000	Neurol.	Final	06/95	068476-30-2	

GUTHION	Inh.	Acute	0.02 mg/m3	30	Neurol.	Final	09/08	000086-50-0
		Int.	0.01 mg/m3	30	Neurol.			
		Chr.	0.01 mg/m3	30	Neurol.			
	Oral	Acute	0.01 mg/kg/day	100	Neurol.			
		Int.	0.003 mg/kg/day	100	Neurol.			
		Chr.	0.003 mg/kg/day	100	Neurol.			
HEPTACHLOR	Oral	Acute	0.0006 mg/kg/day	3000	Repro.	Final	08/07	000076-44-8
		Int.	0.0001 mg/kg/day	300	Immuno.			
HEXACHLOROBENZENE	Oral	Acute	0.008 mg/kg/day	300	Develop.	Final	09/02	000118-74-1
		Int.	0.0001 mg/kg/day	90	Repro.			
		Chr.	0.00005 mg/kg/day	300	Develop.			
HEXACHLOROBUTADIENE	Oral	Int.	0.0002 mg/kg/day	1000	Renal	Final	05/94	000087-68-3
HEXACHLOROCYCLOHEXANE, ALPHA-	Oral	Chr.	0.008 mg/kg/day	100	Hepatic	Final	09/05	000319-84-6
HEXACHLOROCYCLOHEXANE, BETA-	Oral	Acute	0.05 mg/kg/day	100	Neurol.	Final	09/05	000319-85-7
		Int.	0.0006 mg/kg/day	300	Hepatic			
HEXACHLOROCYCLOHEXANE, GAMMA-	Oral	Acute	0.003 mg/kg/day	300	Develop.	Final	09/05	000058-89-9
		Int.	0.00001 mg/kg/day	1000	Immuno.			
HEXACHLOROCYCLOPENTADIENE	Inh.	Int.	0.01 ppm	30	Resp.	Final	07/99	000077-47-4
		Chr.	0.0002 ppm	90	Resp.			
	Oral	Int.	0.1 mg/kg/day	100	Renal			
HEXACHLOROETHANE	Inh.	Acute	6 ppm	30	Neurol.	Final	09/97	000067-72-1
		Int.	6 ppm	30	Neurol.			
	Oral	Acute	1 mg/kg/day	100	Hepatic			
		Int.	0.01 mg/kg/day	100	Hepatic			
HEXAMETHYLENE DIISOCYANATE	Inh.	Int.	0.00003 ppm	30	Resp.	Final	10/98	000822-06-0
		Chr.	0.00001 ppm	90	Resp.			
HEXANE, N-	Inh.	Chr.	0.6 ppm	100	Neurol.	Final	07/99	000110-54-3
HYDRAZINE	Inh.	Int.	0.004 ppm	300	Hepatic	Final	09/97	000302-01-2
HYDROGEN FLUORIDE	Inh.	Acute	0.02 ppm	30	Resp.	Final	09/03	007664-39-3
HYDROGEN SULFIDE	Inh.	Acute	0.07 ppm	27	Resp.	Final	07/06	007783-06-4
		Int.	0.02 ppm	30	Resp.			

IODIDE	Oral	Acute	0.01 mg/kg/day	1	Endocr.	Final	10/04	007553-56-2
		Chr.	0.01 mg/kg/day	1	Endocr.			
IONIZING RADIATION, N.O.S.	Rad.	Acute	4 mSv	3	Neurol.	Final	09/99	HZ1800-45-T
		Chr.	1 mSv/yr	3	Other			
ISOPHORONE	Oral	Int.	3 mg/kg/day	100	Other	Final	12/89	000078-59-1
		Chr.	0.2 mg/kg/day	1000	Hepatic			
JP-4	Inh.	Int.	9 mg/m3	300	Hepatic	Final	06/95	050815-00-4
JP-5/JP-8	Inh.	Int.	3 mg/m3	300	Hepatic	Final	10/98	HZ0600-26-T
JP-7	Inh.	Chr.	0.3 mg/m3	300	Hepatic	Final	06/95	HZ0600-22-T
KEROSENE	Inh.	Int.	0.01 mg/m3	1000	Hepatic	Final	06/95	008008-20-6
MALATHION	Inh.	Acute	0.2 mg/m3	100	Neurol.	Final	09/03	000121-75-5
		Int.	0.02 mg/m3	1000	Resp.			
	Oral	Int.	0.02 mg/kg/day	10	Neurol.			
		Chr.	0.02 mg/kg/day	100	Neurol.			
MANGANESE, RESPIRABLE	Inh.	Chr.	0.0003 mg/m3	100	Neurol.	Draft	09/08	007439-96-5
MERCURIC CHLORIDE	Oral	Acute	0.007 mg/kg/day	100	Renal	Final	03/99	007487-94-7
		Int.	0.002 mg/kg/day	100	Renal			
MERCURY	Inh.	Chr.	0.0002 mg/m3	30	Neurol.	Final	03/99	007439-97-6
METHOXYCHLOR	Oral	Int.	0.005 mg/kg/day	1000	Repro.	Draft	09/00	000072-43-5
METHYL PARATHION	Oral	Int.	0.0007 mg/kg/day	300	Neurol.	Final	09/01	000298-00-0
		Chr.	0.0003 mg/kg/day	100	Hemato.			
METHYL-T-BUTYL ETHER	Inh.	Acute	2 ppm	100	Neurol.	Final	08/96	001634-04-4
		Int.	0.7 ppm	100	Neurol.			
		Chr.	0.7 ppm	100	Renal			
	Oral	Acute	0.4 mg/kg/day	100	Neurol.			
		Int.	0.3 mg/kg/day	300	Hepatic			
METHYLENE CHLORIDE	Inh.	Acute	0.6 ppm	100	Neurol.	Final	09/00	000075-09-2
		Int.	0.3 ppm	90	Hepatic			
		Chr.	0.3 ppm	30	Hepatic			
	Oral	Acute	0.2 mg/kg/day	100	Neurol.			
		Chr.	0.06 mg/kg/day	100	Hepatic			

METHYLMERCURY	Oral	Chr.	0.0003 mg/kg/day	4.5	Develop.	Final	03/99	022967-92-6
MIREX	Oral	Chr.	0.0008 mg/kg/day	100	Hepatic	Final	08/95	002385-85-5
MONOMETHYLARSONIC ACID (MMA)	Oral	Int. Chr.	0.1 mg/kg/day 0.01 mg/kg/day	100 100	Gastro. Renal	Final	08/07	000124-58-3
N-NITROSODI-N-PROPYLAMINE	Oral	Acute	0.095 mg/kg/day	100	Hepatic	Final	12/89	000621-64-7
NAPHTHALENE	Inh.	Chr.	0.0007 ppm	300	Resp.	Final	09/05	000091-20-3
	Oral	Acute Int.	0.6 mg/kg/day 0.6 mg/kg/day	90 90	Neurol. Neurol.			
NICKEL	Inh.	Int. Chr.	0.0002 mg/m3 0.00009 mg/m3	30 30	Resp. Resp.	Final	09/05	007440-02-0
PENTACHLOROPHENOL	Oral	Acute Int. Chr.	0.005 mg/kg/day 0.001 mg/kg/day 0.001 mg/kg/day	1000 1000 1000	Develop. Repro. Endocr.	Final	09/01	000087-86-5
PERCHLORATES	Oral	Chr.	0.0007 mg/kg/day	10	Endocr.	Final	08/08	007778-74-7
PERMETHRIN	Oral	Acute Int.	0.3 mg/kg/day 0.2 mg/kg/day	100 100	Neurol. Neurol.	Final	09/03	052645-53-1
PHENOL	Oral	Acute	1 mg/kg/day	100	Body Wt.	Final	09/08	000108-95-2
PHOSPHORUS, WHITE	Inh. Oral	Acute Int.	0.02 mg/m3 0.0002 mg/kg/day	30 100	Resp. Repro.	Final	09/97	007723-14-0
POLYBROMINATED BIPHENYLS (PBBs)	Oral	Acute	0.01 mg/kg/day	100	Endocr.	Final	10/04	036355-01-8
POLYBROMINATED DIPHENYL ETHERS (PBDEs), LOWER BROMINATED	Inh Oral	Int. Acute Int.	0.006 mg/m3 0.03 mg/kg/day 0.007 mg/kg/day	90 30 300	Endocr. Endocr. Hepatic	Final	10/04	032534-81-9 032536-52-0
PBDEs, DECA-BROMINATED	Oral	Int.	10 mg/kg/day	100	Develop.	Final	10/04	001163-19-5
POLYCHLORINATED BIPHENYLS (PCBs) (Aroclor 1254)	Oral	Int. Chr.	0.03 ug/kg/day 0.02 ug/kg/day	300 300	Neurol. Immuno.	Final	11/00	011097-69-1

PROPYLENE GLYCOL DINITRATE	Inh.	Acute	0.003 ppm	10	Neurol.	Final	06/95	006423-43-4
		Int.	0.00004 ppm	1000	Hemato.			
		Chr.	0.00004 ppm	1000	Hemato.			
PROPYLENE GLYCOL	Inh.	Int.	0.009 ppm	1000	Resp.	Final	09/97	000057-55-6
REFRACTORY CERAMIC FIBERS	Inh.	Chr.	0.03 fibers/cc	30	Resp.	Final	10/04	HZ0900-26-T
SELENIUM	Oral	Chr.	0.005 mg/kg/day	3	Dermal	Final	09/03	007782-49-2
STRONTIUM	Oral	Int.	2 mg/kg/day	30	Musculo.	Final	10/04	007440-24-6
STYRENE	Inh.	Acute	2 ppm	10	Neurol.	Draft	09/07	000100-42-5
		Chr.	0.2 ppm	100	Neurol.			
	Oral	Acute	0.1 mg/kg/day	1000	Neurol.			
SULFUR DIOXIDE	Inh.	Acute	0.01 ppm	9	Resp.	Final	12/98	007446-09-5
SULFUR MUSTARD	Inh.	Acute	0.0007 mg/m3	30	Ocular	Final	09/03	000505-60-2
		Int.	0.00002 mg/m3	30	Ocular			
	Oral	Acute	0.5 ug/kg/day	1000	Develop.			
		Int.	0.07 ug/kg/day	300	Gastro.			
TETRACHLOROETHYLENE	Inh.	Acute	0.2 ppm	10	Neurol.	Final	09/97	000127-18-4
		Chr.	0.04 ppm	100	Neurol.			
	Oral	Acute	0.05 mg/kg/day	100	Develop.			
TIN, INORGANIC	Oral	Int.	0.3 mg/kg/day	100	Hemato.	Final	09/05	007440-31-5
TIN, DIBUTYL-, DICHLORIDE	Oral	Int.	0.005 mg/kg/day	1000	Immunol.	Final	09/05	000683-18-1
TIN, TRIBUTYL-, OXIDE	Oral	Int.	0.0003 mg/kg/day	100	Immunol.	Final	09/05	000056-35-9
		Chr.	0.0003 mg/kg/day	100	Immunol.			
TITANIUM TETRACHLORIDE	Inh.	Int.	0.01 mg/m3	90	Resp.	Final	09/97	007550-45-0
		Chr.	0.0001 mg/m3	90	Resp.			
TOLUENE	Inh.	Acute	1 ppm	10	Neurol.	Final	09/00	000108-88-3
		Chr.	0.08 ppm	100	Neurol.			
	Oral	Acute	0.8 mg/kg/day	300	Neurol.			
		Int.	0.02 mg/kg/day	300	Neurol.			
TOXAPHENE	Oral	Acute	0.005 mg/kg/day	1000	Hepatic	Final	08/96	008001-35-2
		Int.	0.001 mg/kg/day	300	Hepatic			

TRICHLOROETHYLENE	Inh.	Acute	2 ppm	30	Neurol.	Final	09/97	000079-01-6
		Int.	0.1 ppm	300	Neurol.			
	Oral	Acute	0.2 mg/kg/day	300	Develop.			
URANIUM, HIGHLY SOLUBLE SALTS	Inh.	Int.	0.0004 mg/m3	90	Renal	Final	09/99	HZ1800-90-T
		Chr.	0.0003 mg/m3	30	Renal			
	Oral	Int.	0.002 mg/kg/day	30	Renal			
URANIUM, INSOLUBLE COMPOUNDS	Inh.	Int.	0.008 mg/m3	30	Renal	Final	09/99	HZ1800-92-T
VANADIUM	Inh.	Acute	0.0002 mg/m3	100	Resp.	Final	07/92	007440-62-2
	Oral	Int.	0.003 mg/kg/day	100	Renal			
VINYL ACETATE	Inh.	Int.	0.01 ppm	100	Resp.	Final	07/92	000108-05-4
VINYL CHLORIDE	Inh.	Acute	0.5 ppm	30	Develop.	Final	07/06	000075-01-4
		Int.	0.03 ppm	30	Hepatic			
	Oral	Chr.	0.003 mg/kg/day	30	Hepatic			
XYLENES, MIXED	Inh.	Acute	2 ppm	30	Neurol.	Final	08/07	001330-20-7
		Int.	0.6 ppm	90	Neurol.			
		Chr.	0.05 ppm	300	Neurol.			
	Oral	Acute	1 mg/kg/day	100	Neurol.			
		Int.	0.4 mg/kg/day	1000	Neurol.			
		Chr.	0.2 mg/kg/day	1000	Neurol.			
ZINC	Oral	Int.	0.3 mg/kg/day	3	Hemato.	Final	09/05	007440-66-6
		Chr.	0.3 mg/kg/day	3	Hemato.			
1-METHYLNAPHTHALENE	Oral	Chr.	0.07 mg/kg/day	1000	Resp.	Final	09/05	000090-12-0
2-METHYLNAPHTHALENE	Oral	Chr.	0.04 mg/kg/day	100	Resp.	Final	09/05	000091-57-6
1,1-DICHLOROETHENE	Inh.	Int.	0.02 ppm	100	Hepatic	Final	05/94	000075-35-4
		Oral	Chr.	0.009 mg/kg/day	1000			
1,1-DIMETHYLHYDRAZINE	Inh.	Int.	0.0002 ppm	300	Hepatic	Final	09/97	000057-14-7
1,1,1-TRICHLOROETHANE	Inh.	Acute	2 ppm	100	Neurol.	Final	07/06	000071-55-6
		Int.	0.7 ppm	100	Neurol.			
	Oral	Int.	20 mg/kg/day	100	Body Wt.			
1,1,2-TRICHLOROETHANE	Oral	Acute	0.3 mg/kg/day	100	Neurol.	Final	12/89	000079-00-5
		Int.	0.04 mg/kg/day	100	Hepatic			

1,1,2,2-TETRACHLOROETHANE	Oral	Int.	0.5 mg/kg/day	100	Hepatic	Final	09/08	000079-34-5
1,2-DIBROMO-3-CHLOROPROPANE	Inh.	Int.	0.0002 ppm	100	Repro.	Final	09/92	000096-12-8
	Oral	Int.	0.002 mg/kg/day	1000	Repro.			
1,2-DICHLOROETHANE	Inh.	Chr.	0.6 ppm	90	Hepatic	Final	09/01	000107-06-2
	Oral	Int.	0.2 mg/kg/day	300	Renal			
1,2-DICHLOROETHENE, CIS-	Oral	Acute	1 mg/kg/day	100	Hemato.	Final	08/96	000156-59-2
		Int.	0.3 mg/kg/day	100	Hemato.			
1,2-DICHLOROETHENE, TRANS-	Inh.	Acute	0.2 ppm	1000	Hepatic	Final	08/96	000156-60-5
		Int.	0.2 ppm	1000	Hepatic			
	Oral	Int.	0.2 mg/kg/day	100	Hepatic			
1,2-DICHLOROPROPANE	Inh.	Acute	0.05 ppm	1000	Resp.	Final	12/89	000078-87-5
		Int.	0.007 ppm	1000	Resp.			
	Oral	Acute	0.1 mg/kg/day	1000	Neurol.			
		Int.	0.07 mg/kg/day	1000	Hemato.			
	Chr.	0.09 mg/kg/day	1000	Hepatic				
1,2-DIMETHYLHYDRAZINE	Oral	Int.	0.0008 mg/kg/day	1000	Hepatic	Final	09/97	000540-73-8
1,2,3-TRICHLOROPROPANE	Inh.	Acute	0.0003 ppm	100	Resp.	Final	09/92	000096-18-4
	Oral	Int.	0.08 mg/kg/day	100	Hepatic			
1,3-DICHLOROPROPENE	Inh.	Int.	0.008 ppm	30	Resp.	Final	09/08	000542-75-6
		Chr.	0.007 ppm	30	Resp.			
	Oral	Int.	0.04 mg/kg/day	100	Gastro.			
		Chr.	0.03 mg/kg/day	100	Gastro.			
1,3-DINITROBENZENE	Oral	Acute	0.008 mg/kg/day	100	Repro.	Final	06/95	000099-65-0
		Int.	0.0005 mg/kg/day	1000	Hemato.			
1,4-DIOXANE	Inh.	Acute	2 ppm	30	Ocular	Draft	09/07	000123-91-1
		Int.	1 ppm	30	Hepatic			
		Chr.	1 ppm	30	Hepatic			
	Oral	Acute	4 mg/kg/day	100	Resp.			
		Int.	0.6 mg/kg/day	100	Hepatic			
		Chr.	0.1 mg/kg/day	100	Hepatic			

2-BUTOXYETHANOL	Inh.	Acute	6 ppm	9	Hemato.	Final	10/98	000111-76-2
		Int.	3 ppm	9	Hemato.			
		Chr.	0.2 ppm	3	Hemato.			
	Oral	Acute	0.4 mg/kg/day	90	Hemato.			
		Int.	0.07 mg/kg/day	1000	Hepatic			
2,3-DICHLOROPROPENE	Inh.	Acute	0.002 ppm	90	Resp.	Final	09/08	000078-88-6
2,3,4,7,8-PENTACHLORODIBENZOFURAN	Oral	Acute	0.001 ug/kg/day	3000	Immuno.	Final	05/94	057117-31-4
		Int.	0.00003 ug/kg/day	3000	Hepatic			
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	Oral	Acute	0.0002 ug/kg/day	21	Immuno.	Final	12/98	001746-01-6
		Int.	0.00002 ug/kg/day	30	Lymphor.			
		Chr.	0.000001 ug/kg/day	90	Develop.			
2,4-DICHLOROPHENOL	Oral	Int.	0.003 mg/kg/day	100	Immuno.	Final	07/99	000120-83-2
2,4-DINITROPHENOL	Oral	Acute	0.01 mg/kg/day	100	Body Wt.	Final	08/95	000051-28-5
2,4-DINITROTOLUENE	Oral	Acute	0.05 mg/kg/day	100	Neurol.	Final	12/98	000121-14-2
		Chr.	0.002 mg/kg/day	100	Hemato.			
2,4,6-TRINITROTOLUENE	Oral	Int.	0.0005 mg/kg/day	1000	Hepatic	Final	06/95	000118-96-7
2,6-DINITROTOLUENE	Oral	Int.	0.004 mg/kg/day	1000	Hemato.	Final	12/98	000606-20-2
4-CHLOROPHENOL	Oral	Acute	0.01 mg/kg/day	100	Hepatic	Final	07/99	000106-48-9
4,4'-METHYLENEBIS(2-CHLOROANILINE)	Oral	Chr.	0.003 mg/kg/day	3000	Hepatic	Final	05/94	000101-14-4
4,4'-METHYLENEDIANILINE	Oral	Acute	0.2 mg/kg/day	300	Hepatic	Final	10/98	000101-77-9
		Int.	0.08 mg/kg/day	100	Hepatic			
4,6-DINITRO-O-CRESOL	Oral	Acute	0.004 mg/kg/day	100	Neurol.	Final	08/95	000534-52-1
		Int.	0.004 mg/kg/day	100	Neurol.			

Total number of MRLs: 379

Please refer to the Toxicological Profiles for more information on a specific MRL.

In particular, see Appendix A in the more recent Profiles.

The Profiles can be found online at www.astdr.cdc.gov or ordered via cdcinfo@cdc.gov or 1-800-CDC-INFO.