Sources: I = IRIS H = HEAST A = HEAST Alternate W = Withdrawn from IRIS or HEAST
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Basis: C = Carcinogenic effects N = Noncarcinogenic effects ! = RBC at HI of 0.1 < RBC-c; see Alternate RBCs !! = See Alternate RBCs

Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	Risk-based concentrations: Tap water ug/l	Ambient air ug/m3	Fish mg/kg	Soil Industrial mg/kg	Residential mg/kg	Region III SSLs: Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg
ACETALDEHYDE	75070			2.57E-003 I	7.7E-003 I	y	1.6E+000 C	8.1E-001 C				3.8E-004	7.7E-003 C
ACETOCHLOR	34256821	2E-002 I					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N		
ACETONE	67641	1.00E-001 I				y	6.1E+002 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	1.2E-001	2.5E+000 N
ACETONITRILE	75058			1.7E-002 I		y	1.2E+002 N	6.2E+001 N				2.9E-002	5.8E-001 N
ACETOPHENONE	98862	1.00E-001 I		5.70E-006 W		y	4.2E-002 N	2.1E-002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	1.1E-005	2.2E-004 N
ACROLEIN	107028	2.00E-002 H		5.70E-006 I		y	4.2E-002 N	2.1E-002 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	1.0E-005	2.0E-004 N
ACRYLAMIDE	79061	2.00E-004 I	4.50E+000 I		4.50E+000 I		1.5E-002 C	1.4E-003 C	7.0E-004 C	6.4E-001 C	1.4E-001 C	3.7E-006	7.4E-005 C
ACRYLONITRILE	107131	1.00E-003 H	5.40E-001 I	5.70E-004 I	2.40E-001 I	y	3.7E-002 C	2.6E-002 C	5.8E-003 C	5.3E+000 C	1.2E+000 C	7.4E-006	1.5E-004 C
ALACHLOR	15972608	1.00E-002 I	8.00E-002 H				8.4E-001 C	7.8E-002 C	3.9E-002 C	3.6E+001 C	8.0E+000 C	3.5E-004	7.0E-003 C
ALAR	1596845	1.50E-001 I					5.5E+003 N	5.5E+002 N	2.0E+002 N	1.5E+005 N	1.2E+004 N		
ALDICARB	116063	1.00E-003 I					3.7E+001 N	3.7E+000 N	1.4E+000 N	1.0E+003 N	7.8E+001 N	1.0E-002	2.1E-001 N
ALDICARB SULFONE	1646884	1.00E-003 I					3.7E+001 N	3.7E+000 N	1.4E+000 N	1.0E+003 N	7.8E+001 N	7.5E-003	1.5E-001 N
ALDRIN	309002	3.00E-005 I	1.70E+001 I		1.70E+001 I		3.9E-003 C	3.7E-004 C	1.9E-004 C	1.7E-001 C	3.8E-002 C	3.8E-004	7.7E-003 C
ALUMINUM	7429905	1.00E+000 E		1.00E-003 E			3.7E+004 N	3.7E+000 N	1.4E+003 N	1.0E+006 N	7.8E+004 N		
AMINODINITROTOLUENES		6.00E-005 E					2.2E+000 N	2.2E-001 N	8.1E-002 N	6.1E+001 N	4.7E+000 N		
4-AMINOPYRIDINE	504245	2.00E-005 H					7.3E-001 N	7.3E-002 N	2.7E-002 N	2.0E+001 N	1.6E+000 N		
AMMONIA	7664417			2.86E-002 I		y	2.1E+002 N	1.0E+002 N					
ANILINE	62533	7.00E-003 E	5.70E-003 I	2.90E-004 I			1.2E+001 C	1.1E+000 N	5.5E-001 C	5.0E+002 C	1.1E+002 C !	6.8E-003	1.4E-001 C
ANTIMONY	7440360	4.00E-004 I					1.5E+001 N	1.5E+000 N	5.4E-001 N	4.1E+002 N	3.1E+001 N	6.6E-001	1.3E+001 N
ANTIMONY PENTOXIDE	1314609	5.00E-004 H					1.8E+001 N	1.8E+000 N	6.8E-001 N	5.1E+002 N	3.9E+001 N		
ANTIMONY TETROXIDE	1332816	4.00E-004 H					1.5E+001 N	1.5E+000 N	5.4E-001 N	4.1E+002 N	3.1E+001 N		
ANTIMONY TRIOXIDE	1309644	4.00E-004 H		5.70E-005 I			1.5E+001 N	2.1E-001 N	5.4E-001 N	4.1E+002 N	3.1E+001 N		
ARSENIC	7440382	3.00E-004 I	1.50E+000 I		1.51E+001 I		4.5E-002 C	4.1E-004 C	2.1E-003 C	1.9E+000 C	4.3E-001 C	1.3E-003	2.6E-002 C
ARSINE	7784421			1.40E-005 I		y	1.0E-001 N	5.1E-002 N					
ASSURE	76578148	9.00E-003 I					3.3E+002 N	3.3E+001 N	1.2E+001 N	9.2E+003 N	7.0E+002 N		
ATRAZINE	1912249	3.50E-002 I	2.20E-001 H				3.0E-001 C	2.8E-002 C	1.4E-002 C	1.3E+001 C	2.9E+000 C	4.4E-004	8.8E-003 C
AZOBENZENE	103333		1.10E-001 I		1.10E-001 I		6.1E-001 C	5.7E-002 C	2.9E-002 C	2.6E+001 C	5.8E+000 C	1.8E-003	3.5E-002 C
BARIUM	7440393	7.00E-002 I		1.40E-004 A			2.6E+003 N	5.1E-001 N	9.5E+001 N	7.2E+004 N	5.5E+003 N	1.1E+002	2.1E+003 N
BAYGON	114261	4.00E-003 I					1.5E+002 N	1.5E+001 N	5.4E+000 N	4.1E+003 N	3.1E+002 N		
BAYTHROID	68359375	2.50E-002 I					9.1E+002 N	9.1E+001 N	3.4E+001 N	2.6E+004 N	2.0E+003 N		
BENTAZON	25057890	3.00E-002 I					1.1E+003 N	1.1E+002 N	4.1E+001 N	3.1E+004 N	2.3E+003 N		
BENZALDEHYDE	100527	1.00E-001 I					3.7E+003 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N		
**BENZENE	71432	4.00E-003 I	5.5E-002 I	8.6E-003 I	2.70E-002 I	y	3.4E-001 C	2.3E-001 C	5.7E-002 C	5.2E+001 C	1.2E+001 C	9.5E-005	1.9E-003 C
BENZENETHIOL	108985	1.00E-005 H				y	6.1E-002 N	3.7E-002 N	1.4E-002 N	1.0E+001 N	7.8E-001 N		
BENZIDINE	92875	3.00E-003 I	2.30E+002 I		2.30E+002 I		2.9E-004 C	2.7E-005 C	1.4E-005 C	1.2E-002 C	2.8E-003 C		
BENZOIC ACID	65850	4.00E+000 I					1.5E+005 N	1.5E+004 N	5.4E+003 N	4.1E+006 N	3.1E+005 N		
BENZYL ALCOHOL	100516	3.00E-001 H					1.1E+004 N	1.1E+003 N	4.1E+002 N	3.1E+005 N	2.3E+004 N	4.4E+000	8.8E+001 N
BENZYL CHLORIDE	100447		0.17 I			y	6.2E-002 C	3.7E-002 C	1.9E-002 C	1.7E+001 C	3.8E+000 C	1.9E-005	3.7E-004 C
BERYLLIUM	7440417	2.00E-003 I		5.7E-006 I	8.40E+000 I		7.3E+001 N	7.5E-004 C	2.7E+000 N	2.0E+003 N	1.6E+002 N	5.8E+001	1.2E+003 N
BIPHENYL	92524	5.00E-002 I				y	3.0E+002 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N	4.8E+000	9.6E+001 N
BIS(2-CHLOROETHYL)ETHER	111444		1.10E+000 I		1.10E+000 I	y	9.6E-003 C	5.7E-003 C	2.9E-003 C	2.6E+000 C	5.8E-001 C	2.2E-006	4.4E-005 C
BIS(2-CHLOROISOPROPYL)ETHER	108601	4.00E-002 I	7.00E-002 H		3.50E-002 H	y	2.6E-001 C	1.8E-001 C	4.5E-002 C	4.1E+001 C	9.1E+000 C	8.4E-005	1.7E-003 C
BIS(CHLOROMETHYL)ETHER	542881		2.20E+002 I		2.20E+002 I	y	4.8E-005 C	2.8E-005 C	1.4E-005 C	1.3E-002 C	2.9E-003 C	9.7E-009	1.9E-007 C
BIS(2-ETHYLHEXYL)PHTHALATE	117817	2.00E-002 I	1.40E-002 I		1.40E-002 E		4.8E+000 C	4.5E-001 C	2.3E-001 C	2.0E+002 C	4.6E+001 C	1.4E+002	2.9E+003 C
BORON	7440428	9.00E-002 I		5.70E-003 H			3.3E+003 N	2.1E+001 N	1.2E+002 N	9.2E+004 N	7.0E+003 N		

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BROMODICHLOROMETHANE	75274	2.00E-002	I	6.20E-002	I					y	1.7E-001	C	1.0E-001	C	5.1E-002	C	4.6E+001	C	1.0E+001	C	5.4E-005	1.1E-003	C
BROMOETHENE	593602					8.6E-004	I	1.10E-001	H	y	1.1E-001	C	5.7E-002	C							5.4E-005	1.1E-003	C
BROMOFORM	75252	2.00E-002	I	7.90E-003	I			3.90E-003	I		8.5E+000	C	1.6E+000	C	4.0E-001	C	3.6E+002	C	8.1E+001	C	3.3E-003	6.7E-002	C
BROMOMETHANE	74839	1.40E-003	I			1.40E-003	I			y	8.5E+000	N	5.1E+000	N	1.9E+000	N	1.4E+003	N	1.1E+002	N	2.1E-003	4.1E-002	N
BROMOPHOS	2104963	5.00E-003	H								1.8E+002	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N			
**1,3-BUTADIENE	106990					5.7E-004	I	1.00E-001	I	y	1.3E-001	C	6.3E-002	C							7.0E-005	1.4E-003	C
1-BUTANOL	71363	1.00E-001	I								3.7E+003	N	3.7E+002	N	1.4E+002	N	1.0E+005	N	7.8E+003	N	7.8E-001	1.6E+001	N
BUTYLBENZYLPHTHALATE	85687	2.00E-001	I								7.3E+003	N	7.3E+002	N	2.7E+002	N	2.0E+005	N	1.6E+004	N	8.4E+002	1.7E+004	N
BUTYLATE	2008415	5.00E-002	I								1.8E+003	N	1.8E+002	N	6.8E+001	N	5.1E+004	N	3.9E+003	N			
N-BUTYLBENZENE	104518	4.00E-002	E							y	2.4E+002	N	1.5E+002	N	5.4E+001	N	4.1E+004	N	3.1E+003	N			
SEC-BUTYLBENZENE	135988	4.00E-002	E							y	2.4E+002	N	1.5E+002	N	5.4E+001	N	4.1E+004	N	3.1E+003	N			
TERT-BUTYLBENZENE	98066	4.00E-002	E							y	2.4E+002	N	1.5E+002	N	5.4E+001	N	4.1E+004	N	3.1E+003	N			
CADMIUM-WATER	7440439	5.00E-004	I			5.7E-005	E	6.30E+000	I		1.8E+001	N	9.9E-004	C	6.8E-001	N	5.1E+002	N	3.9E+001	N	1.4E+000	2.7E+001	N
CADMIUM-FOOD	7440439	1.00E-003	I			5.7E-005	E	6.30E+000	I		3.7E+001	N	9.9E-004	C	1.4E+000	N	1.0E+003	N	7.8E+001	N	2.7E+000	5.5E+001	N
CAPROLACTAM	105602	5.00E-001	I								1.8E+004	N	1.8E+003	N	6.8E+002	N	5.1E+005	N	3.9E+004	N			
CARBARYL	63252	1.00E-001	I								3.7E+003	N	3.7E+002	N	1.4E+002	N	1.0E+005	N	7.8E+003	N	1.5E+000	3.0E+001	N
CARBON DISULFIDE	75150	1.00E-001	I			2.00E-001	I			y	1.0E+003	N	7.3E+002	N	1.4E+002	N	1.0E+005	N	7.8E+003	N	9.5E-001	1.9E+001	N
CARBON TETRACHLORIDE	56235	7.00E-004	I	1.30E-001	I	5.71E-004	E	5.30E-002	I	y	1.6E-001	C	1.2E-001	C	2.4E-002	C	2.2E+001	C	4.9E+000	C	1.1E-004	2.1E-003	C
CARBOSULFAN	55285148	1.00E-002	I								3.7E+002	N	3.7E+001	N	1.4E+001	N	1.0E+004	N	7.8E+002	N			
CHLORAL HYDRATE	302170	1.00E-001	I								3.7E+003	N	3.7E+002	N	1.4E+002	N	1.0E+005	N	7.8E+003	N			
CHLORANIL	118752			4.00E-001	H						1.7E-001	C	1.6E-002	C	7.9E-003	C	7.2E+000	C	1.6E+000	C			
CHLORDANE	57749	5.00E-004	I	3.5E-001	I	2.00E-004	I	3.5E-001	I		1.9E-001	C	1.8E-002	C	9.0E-003	C	8.2E+000	C	1.8E+000	C	4.6E-002	9.2E-001	C
CHLORINE	7782505	1.00E-001	I			5.7E-005	E			y	4.2E-001	N	2.1E-001	N	1.4E+002	N	1.0E+005	N	7.8E+003	N			
CHLORINE DIOXIDE	10049044	3.00E-002	I			5.70E-005	I			y	4.2E-001	N	2.1E-001	N	4.1E+001	N	3.1E+004	N	2.3E+003	N			
CHLOROACETIC ACID	79118	2.00E-003	H								7.3E+001	N	7.3E+000	N	2.7E+000	N	2.0E+003	N	1.6E+002	N			
4-CHLOROANILINE	106478	4.00E-003	I								1.5E+002	N	1.5E+001	N	5.4E+000	N	4.1E+003	N	3.1E+002	N	4.8E-002	9.7E-001	N
CHLOROBENZENE	108907	2.00E-002	I			1.7E-002	E			y	1.1E+002	N	6.2E+001	N	2.7E+001	N	2.0E+004	N	1.6E+003	N	4.0E-002	8.0E-001	N
CHLOROBENZILATE	510156	2.00E-002	I	2.70E-001	H			2.70E-001	H		2.5E-001	C	2.3E-002	C	1.2E-002	C	1.1E+001	C	2.4E+000	C	1.3E-003	2.7E-002	C
P-CHLOROBENZOIC ACID	74113	2.00E-001	H								7.3E+003	N	7.3E+002	N	2.7E+002	N	2.0E+005	N	1.6E+004	N			
2-CHLORO-1,3-BUTADIENE	126998	2.00E-002	A			2.00E-003	H			y	1.4E+001	N	7.3E+000	N	2.7E+001	N	2.0E+004	N	1.6E+003	N	6.0E-003	1.2E-001	N
1-CHLOROBUTANE	109693	4.00E-001	H							y	2.4E+003	N	1.5E+003	N	5.4E+002	N	4.1E+005	N	3.1E+004	N	1.0E+000	2.0E+001	N
1-CHLORO-1,1-DIFLUOROETHANE	75683					1.40E+001	I			y	1.0E+005	N	5.1E+004	N							7.0E+001	1.4E+003	N
CHLORODIFLUOROMETHANE	75456					1.40E+001	I			y	1.0E+005	N	5.1E+004	N							7.0E+001	1.4E+003	N
CHLOROETHANE	75003	4.00E-001	E	2.90E-003	E	2.90E+000	I			y	3.6E+000	C	2.2E+000	C	1.1E+000	C	9.9E+002	C	2.2E+002	C	9.6E-004	1.9E-002	C
**CHLOROFORM	67663	1.00E-002	I			1.4E-002	E	8.10E-002	I	y	1.5E-001	C	7.7E-002	C	1.4E+001	N	1.0E+004	N	7.8E+002	N	4.5E-005	9.1E-004	C
**CHLOROMETHANE	74873					2.6E-002	I			y	1.9E+002	N	9.5E+001	N							4.6E-002	9.3E-001	N
4-CHLORO-2-METHYLANILINE	95692			5.80E-001	H						1.2E-001	C	1.1E-002	C	5.4E-003	C	4.9E+000	C	1.1E+000	C			
BETA-CHLORONAPHTHALENE	91587	8.00E-002	I							y	4.9E+002	N	2.9E+002	N	1.1E+002	N	8.2E+004	N	6.3E+003	N	1.6E+000	3.2E+001	N
O-CHLORONITROBENZENE	88733			2.50E-002	H					y	4.2E-001	C	2.5E-001	C	1.3E-001	C	1.1E+002	C	2.6E+001	C			
P-CHLORONITROBENZENE	100005			1.80E-002	H					y	5.9E-001	C	3.5E-001	C	1.8E-001	C	1.6E+002	C	3.5E+001	C			
2-CHLOROPHENOL	95578	5.00E-003	I							y	3.0E+001	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N			
2-CHLOROPROPANE	75296					2.90E-002	H			y	2.1E+002	N	1.1E+002	N							6.6E-002	1.3E+000	N
O-CHLOROTOLUENE	95498	2.00E-002	I							y	1.2E+002	N	7.3E+001	N	2.7E+001	N	2.0E+004	N	1.6E+003	N	6.5E-002	1.3E+000	N
CHLORPYRIFOS	2921882	3.00E-003	I								1.1E+002	N	1.1E+001	N	4.1E+000	N	3.1E+003	N	2.3E+002	N	3.2E+000	6.3E+001	N
CHLORPYRIFOS-METHYL	5598130	1.00E-002	H								3.7E+002	N	3.7E+001	N	1.4E+001	N	1.0E+004	N	7.8E+002	N			

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							Tap	Ambient		Soil		Soil; for groundwater migration	
Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	water ug/l	air ug/m3	Fish mg/kg	Industrial mg/kg	Residential mg/kg	DAF 1 mg/kg	DAF 20 mg/kg
CHROMIUM III	16065831	1.50E+000 I					5.5E+004 N	5.5E+003 N	2.0E+003 N	1.5E+006 N	1.2E+005 N	9.9E+007	2.0E+009 N
CHROMIUM VI	18540299	3.00E-003 I		3.00E-005 !	4.10E+001 H		1.1E+002 N	1.5E-004 C	4.1E+000 N	3.1E+003 N	2.3E+002 N	2.1E+000	4.2E+001 N
**COBALT	7440484	2.00E-002 E		5.7E-006 E	9.8 E		7.3E+002 N	6.4E-004 C	2.7E+001 N	2.0E+004 N	1.6E+003 N		
COKE OVEN EMISSIONS (COAL TAR)	8007452				2.2 I			2.8E-003 C					
COPPER	7440508	4.00E-002 H					1.5E+003 N	1.5E+002 N	5.4E+001 N	4.1E+004 N	3.1E+003 N	5.3E+002	1.1E+004 N
CROTONALDEHYDE	123739		1.90E+000 H			y	5.6E-003 C	3.3E-003 C	1.7E-003 C	1.5E+000 C	3.4E-001 C	1.5E-005	3.1E-004 C
CUMENE	98828	1.00E-001 I		1.10E-001 I		y	6.6E+002 N	4.0E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	3.2E+000	6.4E+001 N
CYANIDE (FREE)	57125	2.00E-002 I					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	7.4E+000	1.5E+002 N
CALCIUM CYANIDE	592018	4E-002 I					1.5E+003 N	1.5E+002 N	5.4E+001 N	4.1E+004 N	3.1E+003 N		
COPPER CYANIDE	544923	5.00E-003 I					1.8E+002 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N		
CYANAZINE	21725462	2.00E-003 H	8.40E-001 H				8.0E-002 C	7.5E-003 C	3.8E-003 C	3.4E+000 C	7.6E-001 C	2.6E-005	5.3E-004 C
CYANOGEN	460195	4.00E-002 I				y	2.4E+002 N	1.5E+002 N	5.4E+001 N	4.1E+004 N	3.1E+003 N		
CYANOGEN BROMIDE	506683	9.00E-002 I					3.3E+003 N	3.3E+002 N	1.2E+002 N	9.2E+004 N	7.0E+003 N		
CYANOGEN CHLORIDE	506774	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
HYDROGEN CYANIDE	74908	2.00E-002 I		8.60E-004 I		y	6.2E+000 N	3.1E+000 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	1.1E-001	2.2E+000 N
POTASSIUM CYANIDE	151508	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
POTASSIUM SILVER CYANIDE	506616	2.00E-001 I					7.3E+003 N	7.3E+002 N	2.7E+002 N	2.0E+005 N	1.6E+004 N		
SILVER CYANIDE	506649	1.00E-001 I					3.7E+003 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	3.1E+001	6.2E+002 N
SODIUM CYANIDE	143339	4.00E-002 I					1.5E+003 N	1.5E+002 N	5.4E+001 N	4.1E+004 N	3.1E+003 N		
THIOCYANATE		5.00E-002 E					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
ZINC CYANIDE	557211	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N	1.1E+002	2.3E+003 N
CYCLOHEXANONE	108941	5.00E+000 I					1.8E+005 N	1.8E+004 N	6.8E+003 N	5.1E+006 N	3.9E+005 N	6.1E+001	1.2E+003 N
CYHALOTHRIN/KARATE	68085858	5.00E-003 I					1.8E+002 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N		
CYPERMETHRIN	52315078	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
DACTHAL	1861321	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
DALAPON	75990	3.00E-002 I					1.1E+003 N	1.1E+002 N	4.1E+001 N	3.1E+004 N	2.3E+003 N	3.5E-001	7.1E+000 N
DDD	72548		2.40E-001 I				2.8E-001 C	2.6E-002 C	1.3E-002 C	1.2E+001 C	2.7E+000 C	5.6E-001	1.1E+001 C
DDE	72559		3.40E-001 I				2.0E-001 C	1.8E-002 C	9.3E-003 C	8.4E+000 C	1.9E+000 C	1.8E+000	3.5E+001 C
DDT	50293	5.00E-004 I	3.40E-001 I		3.40E-001 I		2.0E-001 C	1.8E-002 C	9.3E-003 C	8.4E+000 C	1.9E+000 C	5.8E-002	1.2E+000 C
DIAZINON	333415	9.00E-004 H					3.3E+001 N	3.3E+000 N	1.2E+000 N	9.2E+002 N	7.0E+001 N	2.1E-002	4.3E-001 N
**DIBENZOFURAN	132649	2.00E-003 E				y	1.2E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N	1.9E-001	3.8E+000 N
1,4-DIBROMOBENZENE	106376	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
DIBROMOCHLOROMETHANE	124481	2.00E-002 I	8.40E-002 I			y	1.3E-001 C	7.5E-002 C	3.8E-002 C	3.4E+001 C	7.6E+000 C	4.1E-005	8.3E-004 C
1,2-DIBROMO-3-CHLOROPROPANE	96128		1.40E+000 H	5.70E-005 I	2.40E-003 H	y	4.7E-002 C !	2.1E-001 N	2.3E-003 C	2.0E+000 C	4.6E-001 C	4.4E-005	8.7E-004 C
1,2-DIBROMOETHANE	106934		8.50E+001 I	5.70E-005 H	7.60E-001 I	y	7.5E-004 C	8.2E-003 C	3.7E-005 C	3.4E-002 C	7.5E-003 C	4.3E-007	8.5E-006 C
DIBUTYLPHTHALATE	84742	1.00E-001 I					3.7E+003 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	2.5E+002	5.0E+003 N
DICAMBA	1918009	3.00E-002 I					1.1E+003 N	1.1E+002 N	4.1E+001 N	3.1E+004 N	2.3E+003 N	2.2E-001	4.5E+000 N
1,2-DICHLOROBENZENE	95501	9.00E-002 I		4.00E-002 H		y	2.7E+002 N	1.5E+002 N	1.2E+002 N	9.2E+004 N	7.0E+003 N	2.3E-001	4.6E+000 N
1,3-DICHLOROBENZENE	541731	3.00E-002 E				y	1.8E+002 N	1.1E+002 N	4.1E+001 N	3.1E+004 N	2.3E+003 N	1.5E-001	2.9E+000 N
1,4-DICHLOROBENZENE	106467	3.00E-002 E	2.40E-002 H	2.29E-001 I	2.2E-002 E	y	4.7E-001 C	2.8E-001 C	1.3E-001 C	1.2E+002 C	2.7E+001 C	3.6E-004	7.1E-003 C
3,3'-DICHLOROBENZIDINE	91941		4.50E-001 I				1.5E-001 C	1.4E-002 C	7.0E-003 C	6.4E+000 C	1.4E+000 C	2.5E-004	4.9E-003 C
1,4-DICHLORO-2-BUTENE	764410				9.30E+000 H	y	1.3E-003 C	6.7E-004 C				4.0E-007	8.0E-006 C
DICHLORODIFLUOROMETHANE	75718	2.00E-001 I		5.00E-002 A		y	3.5E+002 N	1.8E+002 N	2.7E+002 N	2.0E+005 N	1.6E+004 N	5.5E-001	1.1E+001 N
1,1-DICHLOROETHANE	75343	1.00E-001 H		1.40E-001 A		y	8.0E+002 N	5.1E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	2.3E-001	4.5E+000 N
1,2-DICHLOROETHANE	107062	3.00E-002 E	9.10E-002 I	1.40E-003 E	9.10E-002 I	y	1.2E-001 C	6.9E-002 C	3.5E-002 C	3.1E+001 C	7.0E+000 C	5.2E-005	1.0E-003 C

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Basis: C = Carcinogenic effects N = Noncarcinogenic effects I = RBC at HI of 0.1 < RBC-c; see Alternate RBCs !! = See Alternate RBCs

Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	Risk-based concentrations: Tap water ug/l	Ambient air ug/m3	Fish mg/kg	Soil Industrial mg/kg	Residential mg/kg	Region III SSLs: Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg
1,1-DICHLOROETHENE	75354	5.00E-002 I		6.00E-002 I		y	3.5E+002 N	2.2E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N	1.5E-001	2.9E+000 N
CIS-1,2-DICHLOROETHENE	156592	1.00E-002 H				y	6.1E+001 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N	1.7E-002	3.5E-001 N
TRANS-1,2-DICHLOROETHENE	156605	2.00E-002 I				y	1.2E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	4.1E-002	8.2E-001 N
TOTAL 1,2-DICHLOROETHENE	540590	9.00E-003 H				y	5.5E+001 N	3.3E+001 N	1.2E+001 N	9.2E+003 N	7.0E+002 N	1.9E-002	3.7E-001 N
2,4-DICHLOROPHENOL	120832	3.00E-003 I					1.1E+002 N	1.1E+001 N	4.1E+000 N	3.1E+003 N	2.3E+002 N	6.0E-002	1.2E+000 N
2,4-D	94757	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N	4.5E-001	9.0E+000 N
4-(2,4-DICHLOROPHENOXY)BUTYRIC ACID	94826	8E-003 I					2.9E+002 N	2.9E+001 N	1.1E+001 N	8.2E+003 N	6.3E+002 N		
1,2-DICHLOROPROPANE	78875		6.80E-002 H	1.14E-003 I		y	1.6E-001 C	9.2E-002 C	4.6E-002 C	4.2E+001 C	9.4E+000 C	1.0E-004	2.1E-003 C
2,3-DICHLOROPROPANOL	616239	3.00E-003 I					1.1E+002 N	1.1E+001 N	4.1E+000 N	3.1E+003 N	2.3E+002 N		
1,3-DICHLOROPROPENE	542756	3.00E-002 I	1.00E-001 I	5.71E-003 I	1.00E-002 I	y	4.4E-001 C	6.3E-001 C	3.2E-002 C	2.9E+001 C	6.4E+000 C	1.6E-004	3.1E-003 C
DICHLORVOS	62737	5E-004 I	0.29 I	1.43E-004 I			2.3E-001 C	2.2E-002 C	1.1E-002 C	9.9E+000 C	2.2E+000 C	5.5E-005	1.1E-003 C
DICOFOL	115322		4.4E-001 W				1.5E-001 C	1.4E-002 C	7.2E-003 C	6.5E+000 C	1.5E+000 C	9.3E-004	1.9E-002 C
DICYCLOPENTADIENE	77736	3E-002 H		6.00E-005 A		y	4.4E-001 N	2.2E-001 N	4.1E+001 N	3.1E+004 N	2.3E+003 N		
DIELDRIN	60571	5.00E-005 I	1.60E+001 I		1.60E+001 I		4.2E-003 C	3.9E-004 C	2.0E-004 C	1.8E-001 C	4.0E-002 C	1.1E-004	2.2E-003 C
DIESEL EMISSIONS				1.40E-003 I				5.1E+000 N					
DIETHYLPHTHALATE	84662	8.00E-001 I					2.9E+004 N	2.9E+003 N	1.1E+003 N	8.2E+005 N	6.3E+004 N	2.3E+001	4.5E+002 N
DIETHYLENE GLYCOL, MONOBUTYL ETHER	112345			5.70E-003 H				2.1E+001 N					
DIETHYLENE GLYCOL, MONOETHYL ETHER	111900	2.00E+000 H					7.3E+004 N	7.3E+003 N	2.7E+003 N	2.0E+006 N	1.6E+005 N		
DI(2-ETHYLHEXYL)ADIPATE	103231	6.00E-001 I	1.20E-003 I				5.6E+001 C	5.2E+000 C	2.6E+000 C	2.4E+003 C	5.3E+002 C		
DIETHYLSTILBESTROL	56531		4.70E+003 H				1.4E-005 C	1.3E-006 C	6.7E-007 C	6.1E-004 C	1.4E-004 C		
DIFENZOQUAT (AVENGE)	43222486	8.00E-002 I					2.9E+003 N	2.9E+002 N	1.1E+002 N	8.2E+004 N	6.3E+003 N		
1,1-DIFLUOROETHANE	75376			1.10E+001 I		y	8.0E+004 N	4.0E+004 N					
DIISOPROPYL METHYLPHOSPHONATE (DIMP)	1445756	8.00E-002 I					2.9E+003 N	2.9E+002 N	1.1E+002 N	8.2E+004 N	6.3E+003 N		
3,3'-DIMETHOXYBENZIDINE	119904		1.40E-002 H				4.8E+000 C	4.5E-001 C	2.3E-001 C	2.0E+002 C	4.6E+001 C		
DIMETHYLAMINE	124403			5.70E-006 W		y	4.2E-002 N	2.1E-002 N				8.5E-006	1.7E-004 N
2,4-DIMETHYLANILINE HYDROCHLORIDE	21436964		5.80E-001 H				1.2E-001 C	1.1E-002 C	5.4E-003 C	4.9E+000 C	1.1E+000 C		
2,4-DIMETHYLANILINE	95681		7.50E-001 H				8.9E-002 C	8.3E-003 C	4.2E-003 C	3.8E+000 C	8.5E-001 C		
N,N-DIMETHYLANILINE	121697	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N		
3,3'-DIMETHYLBENZIDINE	119937		9.20E+000 H				7.3E-003 C	6.8E-004 C	3.4E-004 C	3.1E-001 C	6.9E-002 C		
1,1-DIMETHYLHYDRAZINE	57147		2.60E+000 W		3.50E+000 W		2.6E-002 C	1.8E-003 C	1.2E-003 C	1.1E+000 C	2.5E-001 C		
1,2-DIMETHYLHYDRAZINE	540738		3.70E+001 W		3.70E+001 W		1.8E-003 C	1.7E-004 C	8.5E-005 C	7.7E-002 C	1.7E-002 C		
2,4-DIMETHYLPHENOL	105679	2.00E-002 I					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	3.4E-001	6.7E+000 N
2,6-DIMETHYLPHENOL	576261	6.00E-004 I					2.2E+001 N	2.2E+000 N	8.1E-001 N	6.1E+002 N	4.7E+001 N		
3,4-DIMETHYLPHENOL	95658	1.00E-003 I					3.7E+001 N	3.7E+000 N	1.4E+000 N	1.0E+003 N	7.8E+001 N		
DIMETHYLPHTHALATE	131113	1.00E+001 W					3.7E+005 N	3.7E+004 N	1.4E+004 N	1.0E+007 N	7.8E+005 N		
1,2-DINITROBENZENE	528290	4.00E-004 H					1.5E+001 N	1.5E+000 N	5.4E-001 N	4.1E+002 N	3.1E+001 N		
1,3-DINITROBENZENE	99650	1.00E-004 I					3.7E+000 N	3.7E-001 N	1.4E-001 N	1.0E+002 N	7.8E+000 N	1.8E-003	3.7E-002 N
1,4-DINITROBENZENE	100254	4.00E-004 H					1.5E+001 N	1.5E+000 N	5.4E-001 N	4.1E+002 N	3.1E+001 N		
4,6-DINITRO-O-CYCLOHEXYL PHENOL	131895	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N		
4,6-DINITRO-2-METHYLPHENOL	534521	1.00E-004 E					3.7E+000 N	3.7E-001 N	1.4E-001 N	1.0E+002 N	7.8E+000 N		
2,4-DINITROPHENOL	51285	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N		
DINITROTOLUENE MIX			6.80E-001 I				9.8E-002 C	9.2E-003 C	4.6E-003 C	4.2E+000 C	9.4E-001 C		
2,4-DINITROTOLUENE	121142	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N	2.9E-002	5.7E-001 N
2,6-DINITROTOLUENE	606202	1.00E-003 H					3.7E+001 N	3.7E+000 N	1.4E+000 N	1.0E+003 N	7.8E+001 N	1.2E-002	2.5E-001 N
DINOSEB	88857	1.00E-003 I					3.7E+001 N	3.7E+000 N	1.4E+000 N	1.0E+003 N	7.8E+001 N	8.7E-003	1.7E-001 N

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Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	Risk-based concentrations: Tap water ug/l	Ambient air ug/m3	Fish mg/kg	Soil Industrial mg/kg	Residential mg/kg	Region III SSLs: Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg
DIOCTYLPHTHALATE	117840	2.00E-002 H					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	1.2E+005	2.4E+006 N
1,4-DIOXANE	123911		1.10E-002 I				6.1E+000 C	5.7E-001 C	2.9E-001 C	2.6E+002 C	5.8E+001 C	1.3E-003	2.6E-002 C
DIPHENYLAMINE	122394	2.50E-002 I					9.1E+002 N	9.1E+001 N	3.4E+001 N	2.6E+004 N	2.0E+003 N	1.3E+000	2.5E+001 N
1,2-DIPHENYLHYDRAZINE	122667		8.00E-001 I		8.00E-001 I		8.4E-002 C	7.8E-003 C	3.9E-003 C	3.6E+000 C	8.0E-001 C	1.3E-004	2.5E-003 C
DIQUAT	85007	2.20E-003 I					8.0E+001 N	8.0E+000 N	3.0E+000 N	2.2E+003 N	1.7E+002 N	1.7E-002	3.3E-001 N
DISULFOTON	298044	4.00E-005 I					1.5E+000 N	1.5E-001 N	5.4E-002 N	4.1E+001 N	3.1E+000 N	3.2E-003	6.4E-002 N
1,4-DITHIANE	505293	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
DIURON	330541	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N	5.8E-002	1.2E+000 N
ENDOSULFAN	115297	6.00E-003 I					2.2E+002 N	2.2E+001 N	8.1E+000 N	6.1E+003 N	4.7E+002 N	9.8E-001	2.0E+001 N
ENDRIN	72208	3.00E-004 I					1.1E+001 N	1.1E+000 N	4.1E-001 N	3.1E+002 N	2.3E+001 N	2.7E-001	5.4E+000 N
EPICHLOROHYDRIN	106898	2.00E-003 H	9.90E-003 I	2.86E-004 I	4.20E-003 I	y	2.0E+000 N	1.0E+000 N	3.2E-001 C !	2.9E+002 C !	6.5E+001 C !	4.2E-004	8.4E-003 N
ETHION	563122	5.00E-004 I					1.8E+001 N	1.8E+000 N	6.8E-001 N	5.1E+002 N	3.9E+001 N	3.2E-001	6.4E+000 N
2-ETHOXYETHANOL	110805	4.00E-001 H		5.70E-002 I			1.5E+004 N	2.1E+002 N	5.4E+002 N	4.1E+005 N	3.1E+004 N	3.3E+000	6.5E+001 N
ETHYL ACETATE	141786	9.00E-001 I				y	5.5E+003 N	3.3E+003 N	1.2E+003 N	9.2E+005 N	7.0E+004 N	1.7E+000	3.5E+001 N
**ETHYLBENZENE	100414	1.00E-001 I		2.90E-001 I		y	1.3E+003 N	1.1E+003 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	7.5E-001	1.5E+001 N
ETHYLENE DIAMINE	107153	2.00E-002 H					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N		
ETHYLENE GLYCOL	107211	2.00E+000 I					7.3E+004 N	7.3E+003 N	2.7E+003 N	2.0E+006 N	1.6E+005 N	1.5E+001	3.0E+002 N
ETHYLENE GLYCOL, MONOBUTYL ETHER	111762	5.00E-001 I		3.70E+000 I			1.8E+004 N	1.4E+004 N	6.8E+002 N	5.1E+005 N	3.9E+004 N		
ETHYLENE OXIDE	75218		1.00E+000 H		3.50E-001 H	y	2.3E-002 C	1.8E-002 C	3.2E-003 C	2.9E+000 C	6.4E-001 C	4.8E-006	9.5E-005 C
ETHYLENE THIOUREA	96457	8.00E-005 I	1.1E-001 H				6.1E-001 C !	5.7E-002 C !	2.9E-002 C !	2.6E+001 C !	5.8E+000 C !		
ETHYL ETHER	60297	2.00E-001 I				y	1.2E+003 N	7.3E+002 N	2.7E+002 N	2.0E+005 N	1.6E+004 N	4.2E-001	8.5E+000 N
ETHYL METHACRYLATE	97632	9.00E-002 H				y	5.5E+002 N	3.3E+002 N	1.2E+002 N	9.2E+004 N	7.0E+003 N	1.0E+000	2.1E+001 N
FENAMIPHOS	22224926	2.50E-004 I					9.1E+000 N	9.1E-001 N	3.4E-001 N	2.6E+002 N	2.0E+001 N	7.8E-003	1.6E-001 N
FLUOMETURON	2164172	1.30E-002 I					4.7E+002 N	4.7E+001 N	1.8E+001 N	1.3E+004 N	1.0E+003 N		
FLUORINE	7782414	6.00E-002 I					2.2E+003 N	2.2E+002 N	8.1E+001 N	6.1E+004 N	4.7E+003 N		
FOMESAFEN	72178020		1.90E-001 I				3.5E-001 C	3.3E-002 C	1.7E-002 C	1.5E+001 C	3.4E+000 C		
FONOFOS	944229	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N	1.8E-001	3.5E+000 N
FORMALDEHYDE	50000	2.00E-001 I			4.50E-002 I		7.3E+003 N	1.4E-001 C	2.7E+002 N	2.0E+005 N	1.6E+004 N	1.5E+000	3.0E+001 N
FORMIC ACID	64186	2.00E+000 H					7.3E+004 N	7.3E+003 N	2.7E+003 N	2.0E+006 N	1.6E+005 N		
FURAN	110009	1.00E-003 I				y	6.1E+000 N	3.7E+000 N	1.4E+000 N	1.0E+003 N	7.8E+001 N	1.5E-003	3.0E-002 N
FURAZOLIDONE	67458		3.80E+000 H				1.8E-002 C	1.6E-003 C	8.3E-004 C	7.5E-001 C	1.7E-001 C		
FURFURAL	98011	3.00E-003 I		1.00E-002 A			1.1E+002 N	3.7E+001 N	4.1E+000 N	3.1E+003 N	2.3E+002 N	2.3E-002	4.6E-001 N
GLYCIDALDEHYDE	765344	4.00E-004 I		2.90E-004 H			1.5E+001 N	1.1E+000 N	5.4E-001 N	4.1E+002 N	3.1E+001 N		
GLYPHOSATE	1071836	1.00E-001 I					3.7E+003 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N	2.6E+001	5.3E+002 N
HEPTACHLOR	76448	5.00E-004 I	4.50E+000 I		4.50E+000 I		1.5E-002 C	1.4E-003 C	7.0E-004 C	6.4E-001 C	1.4E-001 C	4.2E-002	8.4E-001 C
HEPTACHLOR EPOXIDE	1024573	1.30E-005 I	9.10E+000 I		9.10E+000 I		7.4E-003 C	6.9E-004 C	3.5E-004 C	3.1E-001 C	7.0E-002 C	1.2E-003	2.5E-002 C
HEXABROMOBENZENE	87821	2.00E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N		
HEXACHLOROBENZENE	118741	8.00E-004 I	1.60E+000 I		1.60E+000 I		4.2E-002 C	3.9E-003 C	2.0E-003 C	1.8E+000 C	4.0E-001 C	2.6E-003	5.2E-002 C
HEXACHLOROBUTADIENE	87683	2.00E-004 H	7.80E-002 I		7.80E-002 I		8.6E-001 C !	8.0E-002 C !	4.0E-002 C !	3.7E+001 C !	8.2E+000 C !	9.2E-002	1.8E+000 C
ALPHA-HCH	319846		6.30E+000 I		6.30E+000 I		1.1E-002 C	9.9E-004 C	5.0E-004 C	4.5E-001 C	1.0E-001 C	4.5E-005	8.9E-004 C
BETA-HCH	319857		1.80E+000 I		1.80E+000 I		3.7E-002 C	3.5E-003 C	1.8E-003 C	1.6E+000 C	3.5E-001 C	1.6E-004	3.1E-003 C
GAMMA-HCH (LINDANE)	58899	3.00E-004 I	1.30E+000 H				5.2E-002 C	4.8E-003 C	2.4E-003 C	2.2E+000 C	4.9E-001 C	2.2E-004	4.3E-003 C
TECHNICAL HCH	608731		1.80E+000 I		1.80E+000 I		3.7E-002 C	3.5E-003 C	1.8E-003 C	1.6E+000 C	3.5E-001 C		
HEXACHLOROCYCLOPENTADIENE	77474	6.00E-003 I		5.7E-005 I			2.2E+002 N	2.1E-001 N	8.1E+000 N	6.1E+003 N	4.7E+002 N	8.8E+001	1.8E+003 N
HEXACHLORODIBENZODIOXIN MIX	19408743		6.20E+003 I		4.55E+003 I		1.1E-005 C	1.4E-006 C	5.1E-007 C	4.6E-004 C	1.0E-004 C		

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Basis: C = Carcinogenic effects N = Noncarcinogenic effects ! = RBC at HI of 0.1 < RBC-c; see Alternate RBCs !! = See Alternate RBCs

Chemical	CAS	RfDo mg/kg/d		CSFo 1/mg/kg/d		RfDi mg/kg/d		CSFi 1/mg/kg/d		VOC	Risk-based concentrations: Tap water ug/l		Ambient air ug/m3		Fish mg/kg		Soil Industrial mg/kg		Residential mg/kg		Region III SSLs: Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg	
HEXACHLOROETHANE	67721	1.00E-003	I	1.40E-002	I			1.40E-002	I		4.8E+000	C !	4.5E-001	C !	2.3E-001	C !	2.0E+002	C !	4.6E+001	C !	1.8E-002	3.6E-001	C
HEXACHLOROPHENE	70304	3.00E-004	I								1.1E+001	N	1.1E+000	N	4.1E-001	N	3.1E+002	N	2.3E+001	N	1.0E+002	2.0E+003	N
1,6-HEXAMETHYLENE DIISOCYANATE	822060					2.90E-006	I						1.1E-002	N									
HEXANE	110543	6.00E-002	H			5.71E-002	I			y	3.5E+002	N	2.1E+002	N	8.1E+001	N	6.1E+004	N	4.7E+003	N	6.9E-001	1.4E+001	N
2-HEXANONE	591786	4.00E-002	E			1.4E-003	E				1.5E+003	N	5.1E+000	N	5.4E+001	N	4.1E+004	N	3.1E+003	N			
HEXAZINONE	51235042	3.30E-002	I								1.2E+003	N	1.2E+002	N	4.5E+001	N	3.4E+004	N	2.6E+003	N			
HMX	2691410	5.00E-002	I								1.8E+003	N	1.8E+002	N	6.8E+001	N	5.1E+004	N	3.9E+003	N			
HYDRAZINE	302012			3.00E+000	I			1.70E+001	I		2.2E-002	C	3.7E-004	C	1.1E-003	C	9.5E-001	C	2.1E-001	C			
HYDROGEN CHLORIDE	7647010					5.70E-003	I						2.1E+001	N									
HYDROGEN SULFIDE	7783064	3.00E-003	I			2.85E-004	I				1.1E+002	N	1.0E+000	N	4.1E+000	N	3.1E+003	N	2.3E+002	N			
HYDROQUINONE	123319	4.00E-002	H								1.5E+003	N	1.5E+002	N	5.4E+001	N	4.1E+004	N	3.1E+003	N			
IRON	7439896	3.00E-001	E								1.1E+004	N	1.1E+003	N	4.1E+002	N	3.1E+005	N	2.3E+004	N			
ISOBUTANOL	78831	3.00E-001	I							y	1.8E+003	N	1.1E+003	N	4.1E+002	N	3.1E+005	N	2.3E+004	N	5.9E-001	1.2E+001	N
ISOPHORONE	78591	2.00E-001	I	9.50E-004	I						7.0E+001	C	6.6E+000	C	3.3E+000	C	3.0E+003	C	6.7E+002	C	2.1E-002	4.1E-001	C
ISOPROPALIN	33820530	1.50E-002	I								5.5E+002	N	5.5E+001	N	2.0E+001	N	1.5E+004	N	1.2E+003	N			
ISOPROPYL METHYL PHOSPHONIC ACID	1832548	1.00E-001	I								3.7E+003	N	3.7E+002	N	1.4E+002	N	1.0E+005	N	7.8E+003	N			
TETRAETHYLLEAD	78002	1.00E-007	I								3.7E-003	N	3.7E-004	N	1.4E-004	N	1.0E-001	N	7.8E-003	N	4.6E-005	9.2E-004	N
KEPONE	143500	3.00E-004	E	8.00E+000	E						8.4E-003	C	7.8E-004	C	3.9E-004	C	3.6E-001	C	8.0E-002	C			
LITHIUM	7439932	2.00E-002	E								7.3E+002	N	7.3E+001	N	2.7E+001	N	2.0E+004	N	1.6E+003	N			
MALATHION	121755	2.00E-002	I								7.3E+002	N	7.3E+001	N	2.7E+001	N	2.0E+004	N	1.6E+003	N	4.0E-001	8.1E+000	N
MALEIC ANHYDRIDE	108316	1.00E-001	I								3.7E+003	N	3.7E+002	N	1.4E+002	N	1.0E+005	N	7.8E+003	N			
MANGANESE-NONFOOD	7439965	2.00E-002	I			1.43E-005	I				7.3E+002	N	5.2E-002	N	2.7E+001	N	2.0E+004	N	1.6E+003	N	4.8E+001	9.5E+002	N
MANGANESE-FOOD	7439965	1.40E-001	I			1.43E-005	I				5.1E+003	N	5.2E-002	N	1.9E+002	N	1.4E+005	N	1.1E+004	N	3.3E+002	6.7E+003	N
MEPHOSFOLAN	950107	9.00E-005	H								3.3E+000	N	3.3E-001	N	1.2E-001	N	9.2E+001	N	7.0E+000	N			
MEPIQUAT CHLORIDE	24307264	3.00E-002	I								1.1E+003	N	1.1E+002	N	4.1E+001	N	3.1E+004	N	2.3E+003	N			
MERCURIC CHLORIDE	7487947	3.00E-004	I								1.1E+001	N	1.1E+000	N	4.1E-001	N	3.1E+002	N	2.3E+001	N			
MERCURY (INORGANIC)	7439976					8.60E-005	I						3.1E-001	N									
METHYLMERCURY	22967926	1.00E-004	I								3.7E+000	N	3.7E-001	N	1.4E-001	N	1.0E+002	N	7.8E+000	N			
METHACRYLONITRILE	126987	1.00E-004	I			2.00E-004	A			y	1.0E+000	N	7.3E-001	N	1.4E-001	N	1.0E+002	N	7.8E+000	N	2.1E-004	4.2E-003	N
METHANOL	67561	5.00E-001	I								1.8E+004	N	1.8E+003	N	6.8E+002	N	5.1E+005	N	3.9E+004	N	3.8E+000	7.5E+001	N
METHIDATHION	950378	1.00E-003	I								3.7E+001	N	3.7E+000	N	1.4E+000	N	1.0E+003	N	7.8E+001	N			
METHOXYCHLOR	72435	5.00E-003	I								1.8E+002	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N	1.5E+001	3.1E+002	N
METHYL ACETATE	79209	1.00E+000	H							y	6.1E+003	N	3.7E+003	N	1.4E+003	N	1.0E+006	N	7.8E+004	N	1.2E+000	2.5E+001	N
METHYL ACRYLATE	96333	3.00E-002	A							y	1.8E+002	N	1.1E+002	N	4.1E+001	N	3.1E+004	N	2.3E+003	N	5.0E-001	1.0E+001	N
2-METHYLANILINE	95534			2.40E-001	H						2.8E-001	C	2.6E-002	C	1.3E-002	C	1.2E+001	C	2.7E+000	C	2.8E-004	5.7E-003	C
4-(2-METHYL-4-CHLOROPHENOXY) BUTYRIC ACID	94815	1.00E-002	I								3.7E+002	N	3.7E+001	N	1.4E+001	N	1.0E+004	N	7.8E+002	N			
2-METHYL-4-CHLOROPHENOXYACETIC ACID (MCPA)	94746	5.00E-004	I								1.8E+001	N	1.8E+000	N	6.8E-001	N	5.1E+002	N	3.9E+001	N			
2-(2-METHYL-4-CHLOROPHENOXY)PROPIONIC ACID (MCP	93652	1.00E-003	I								3.7E+001	N	3.7E+000	N	1.4E+000	N	1.0E+003	N	7.8E+001	N			
METHYLCYCLOHEXANE	108872					8.60E-001	H			y	6.3E+003	N	3.1E+003	N									
METHYLENE BROMIDE	74953	1.00E-002	A							y	6.1E+001	N	3.7E+001	N	1.4E+001	N	1.0E+004	N	7.8E+002	N	1.5E-002	3.0E-001	N
METHYLENE CHLORIDE	75092	6.00E-002	I	7.50E-003	I	8.60E-001	H	1.65E-003	I	y	4.1E+000	C	3.8E+000	C	4.2E-001	C	3.8E+002	C	8.5E+001	C	9.5E-004	1.9E-002	C
4,4'-METHYLENE BIS(2-CHLOROANILINE)	101144	7.00E-004	H	1.30E-001	H			1.30E-001	H		5.2E-001	C	4.8E-002	C	2.4E-002	C	2.2E+001	C	4.9E+000	C			
4,4'-METHYLENE BIS(N,N'-DIMETHYL)ANILINE	101611			4.60E-002	I						1.5E+000	C	1.4E-001	C	6.9E-002	C	6.2E+001	C	1.4E+001	C			
4,4'-METHYLENEDIPHENYL ISOCYANATE	101688					1.7E-004	I						6.2E-001	N									
METHYL ETHYL KETONE (2-BUTANONE)	78933	6.00E-001	I			2.86E-001	I			y	1.9E+003	N	1.0E+003	N	8.1E+002	N	6.1E+005	N	4.7E+004	N	4.0E-001	7.9E+000	N

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Risk-based concentrations

Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	Tap water ug/l	Ambient air ug/m3	Fish mg/kg	Soil Industrial mg/kg	Residential mg/kg	Region III SSLs Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg
METHYL HYDRAZINE	60344		1.10E+000 W				6.1E-002 C	5.7E-003 C	2.9E-003 C	2.6E+000 C	5.8E-001 C		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	108101	8.00E-002 W		8.60E-001 I		y	2.0E+003 N	3.1E+003 N	1.1E+002 N	8.2E+004 N	6.3E+003 N	9.3E-001	1.9E+001 N
METHYL METHACRYLATE	80626	1.40E+000 I		2.00E-001 I		y	1.4E+003 N	7.3E+002 N	1.9E+003 N	1.4E+006 N	1.1E+005 N	3.2E-001	6.5E+000 N
2-METHYL-5-NITROANILINE	99558		3.30E-002 H				2.0E+000 C	1.9E-001 C	9.6E-002 C	8.7E+001 C	1.9E+001 C		
METHYL PARATHION	298000	2.50E-004 I					9.1E+000 N	9.1E-001 N	3.4E-001 N	2.6E+002 N	2.0E+001 N	4.3E-003	8.5E-002 N
2-METHYLPHENOL	95487	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
3-METHYLPHENOL	108394	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
4-METHYLPHENOL	106445	5.00E-003 H					1.8E+002 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N		
METHYLSTYRENE MIX	25013154	6.00E-003 A		1.00E-002 A		y	5.5E+001 N	3.7E+001 N	8.1E+000 N	6.1E+003 N	4.7E+002 N	5.1E-002	1.0E+000 N
ALPHA-METHYLSTYRENE	98839	7.00E-002 A				y	4.3E+002 N	2.6E+002 N	9.5E+001 N	7.2E+004 N	5.5E+003 N	4.0E-001	7.9E+000 N
METHYL TERT-BUTYL ETHER	1634044		4.00E-003 O	8.57E-001 I		y	2.6E+000 C	1.6E+000 C	7.9E-001 C	7.2E+002 C	1.6E+002 C	5.9E-004	1.2E-002 C
METOLACHLOR (DUAL)	51218452	1.50E-001 I					5.5E+003 N	5.5E+002 N	2.0E+002 N	1.5E+005 N	1.2E+004 N		
MIREX	2385855	2.00E-004 I					7.3E+000 N	7.3E-001 N	2.7E-001 N	2.0E+002 N	1.6E+001 N		
MOLYBDENUM	7439987	5E-003 I					1.8E+002 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N		
MONOCHLORAMINE	10599903	1E-001 I		1.00E-001 H			3.7E+003 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N		
NALED	300765	2E-003 I					7.3E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N		
NICKEL REFINERY DUST					8.4E-001 I			7.5E-003 C					
NICKEL	7440020	2.00E-002 I					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N		
**NITRATE	14797558	1.60E+000 I					5.8E+004 N !!	5.8E+003 N	2.2E+003 N	1.6E+006 N	1.3E+005 N		
NITRIC OXIDE	10102439	1.00E-001 W				y	6.1E+002 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N		
**NITRITE	14797650	1.00E-001 I					3.7E+003 N !!	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N		
2-NITROANILINE	88744			5.70E-005 H				2.1E-001 N					
3-NITROANILINE	99092	3.00E-004 E	2.00E-002 E	3.00E-004 E			3.3E+000 C !	3.1E-001 C !	1.6E-001 C !	1.4E+002 C !	2.3E+001 N		
4-NITROANILINE	100016	3.00E-003 E	2.00E-002 E	1.00E-003 E			3.3E+000 C	3.1E-001 C	1.6E-001 C	1.4E+002 C	3.2E+001 C !		
NITROBENZENE	98953	5.00E-004 I		6.00E-004 A		y	3.5E+000 N	2.2E+000 N	6.8E-001 N	5.1E+002 N	3.9E+001 N	1.2E-003	2.3E-002 N
NITROFURANTOIN	67209	7.00E-002 H					2.6E+003 N	2.6E+002 N	9.5E+001 N	7.2E+004 N	5.5E+003 N		
NITROFURAZONE	59870		1.50E+000 H				4.5E-002 C	4.2E-003 C	2.1E-003 C	1.9E+000 C	4.3E-001 C		
NITROGEN DIOXIDE	10102440	1.00E+000 W				y	6.1E+003 N	3.7E+003 N	1.4E+003 N	1.0E+006 N	7.8E+004 N		
NITROGLYCERIN	55630		1.4E-002 E				4.8E+000 C	4.5E-001 C	2.3E-001 C	2.0E+002 C	4.6E+001 C		
4-NITROPHENOL	100027	8.00E-003 E					2.9E+002 N	2.9E+001 N	1.1E+001 N	8.2E+003 N	6.3E+002 N	8.7E-002	1.7E+000 N
2-NITROPROPANE	79469			5.70E-003 I	9.40E+000 H	y	1.3E-003 C	6.7E-004 C				3.2E-007	6.4E-006 C
N-NITROSO-DI-N-BUTYLAMINE	924163		5.40E+000 I		5.60E+000 I	y	1.9E-003 C	1.1E-003 C	5.8E-004 C	5.3E-001 C	1.2E-001 C	1.4E-006	2.7E-005 C
N-NITROSODIETHANOLAMINE	1116547		2.80E+000 I				2.4E-002 C	2.2E-003 C	1.1E-003 C	1.0E+000 C	2.3E-001 C		
N-NITROSODIETHYLAMINE	55185		1.50E+002 I		1.50E+002 I		4.5E-004 C	4.2E-005 C	2.1E-005 C	1.9E-002 C	4.3E-003 C	1.1E-007	2.3E-006 C
N-NITROSODIMETHYLAMINE	62759		5.10E+001 I		5.10E+001 I		1.3E-003 C	1.2E-004 C	6.2E-005 C	5.6E-002 C	1.3E-002 C	2.8E-007	5.7E-006 C
N-NITROSODIPHENYLAMINE	86306		4.90E-003 I				1.4E+001 C	1.3E+000 C	6.4E-001 C	5.8E+002 C	1.3E+002 C	3.8E-002	7.8E-001 C
N-NITROSODIPROPYLAMINE	621647		7.00E+000 I				9.6E-003 C	8.9E-004 C	4.5E-004 C	4.1E-001 C	9.1E-002 C	2.4E-006	4.7E-005 C
N-NITROSO-N-ETHYLUREA	759739		1.40E+002 H				4.8E-004 C	4.5E-005 C	2.3E-005 C	2.0E-002 C	4.6E-003 C		
N-NITROSO-N-METHYLETHYLAMINE	10595956		2.20E+001 I				3.0E-003 C	2.8E-004 C	1.4E-004 C	1.3E-001 C	2.9E-002 C		
N-NITROSOPYRROLIDINE	930552		2.10E+000 I		2.10E+000 I		3.2E-002 C	3.0E-003 C	1.5E-003 C	1.4E+000 C	3.0E-001 C		
M-NITROTOLUENE	99081	2.00E-002 E				y	1.2E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N		
O-NITROTOLUENE	88722	1.00E-002 H				y	6.1E+001 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
P-NITROTOLUENE	99990	1.00E-002 H				y	6.1E+001 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
NUSTAR	85509199	7.00E-004 I					2.6E+001 N	2.6E+000 N	9.5E-001 N	7.2E+002 N	5.5E+001 N		
ORYZALIN	19044883	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		

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							Tap	Ambient		Soil		Soil, for groundwater migration	
Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	water ug/l	air ug/m3	Fish mg/kg	Industrial mg/kg	Residential mg/kg	DAF 1 mg/kg	DAF 20 mg/kg
OXADIAZON	19666309	5.00E-003 I					1.8E+002 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N		
OXAMYL	23135220	2.50E-002 I					9.1E+002 N	9.1E+001 N	3.4E+001 N	2.6E+004 N	2.0E+003 N	1.9E-001	3.8E+000 N
OXYFLUORFEN	42874033	3.00E-003 I					1.1E+002 N	1.1E+001 N	4.1E+000 N	3.1E+003 N	2.3E+002 N		
PARAQUAT DICHLORIDE	1910425	4.50E-003 I					1.6E+002 N	1.6E+001 N	6.1E+000 N	4.6E+003 N	3.5E+002 N		
PARATHION	56382	6.00E-003 H					2.2E+002 N	2.2E+001 N	8.1E+000 N	6.1E+003 N	4.7E+002 N	5.0E-001	1.0E+001 N
PENTACHLOROBENZENE	608935	8.00E-004 I					2.9E+001 N	2.9E+000 N	1.1E+000 N	8.2E+002 N	6.3E+001 N	1.0E+000	2.0E+001 N
PENTACHLORONITROBENZENE	82688	3.00E-003 I	2.60E-001 H				2.6E-001 C	2.4E-002 C	1.2E-002 C	1.1E+001 C	2.5E+000 C	4.1E-003	8.2E-002 C
PENTACHLOROPHENOL	87865	3.00E-002 I	1.20E-001 I				5.6E-001 C	5.2E-002 C	2.6E-002 C	2.4E+001 C	5.3E+000 C		
PERMETHRIN	52645531	5.00E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N	1.2E+002	2.4E+003 N
PHENOL	108952	3.00E-001 I					1.1E+004 N	1.1E+003 N	4.1E+002 N	3.1E+005 N	2.3E+004 N	3.3E+000	6.7E+001 N
M-PHENYLENEDIAMINE	108452	6.00E-003 I					2.2E+002 N	2.2E+001 N	8.1E+000 N	6.1E+003 N	4.7E+002 N	4.9E-002	9.8E-001 N
O-PHENYLENEDIAMINE	95545		4.70E-002 H				1.4E+000 C	1.3E-001 C	6.7E-002 C	6.1E+001 C	1.4E+001 C		
P-PHENYLENEDIAMINE	106503	1.90E-001 H					6.9E+003 N	6.9E+002 N	2.6E+002 N	1.9E+005 N	1.5E+004 N		
2-PHENYLPHENOL	90437		1.90E-003 H				3.5E+001 C	3.3E+000 C	1.7E+000 C	1.5E+003 C	3.4E+002 C		
PHOSPHINE	7803512	3.00E-004 I		8.60E-005 I			1.1E+001 N	3.1E-001 N	4.1E-001 N	3.1E+002 N	2.3E+001 N		
PHOSPHORIC ACID	7664382			2.90E-003 I				1.1E+001 N					
PHOSPHORUS (WHITE)	7723140	2.00E-005 I					7.3E-001 N	7.3E-002 N	2.7E-002 N	2.0E+001 N	1.6E+000 N		
P-PHTHALIC ACID	100210	1.00E+000 H					3.7E+004 N	3.7E+003 N	1.4E+003 N	1.0E+006 N	7.8E+004 N		
PHTHALIC ANHYDRIDE	85449	2.00E+000 I		3.43E-002 H			7.3E+004 N	1.3E+002 N	2.7E+003 N	2.0E+006 N	1.6E+005 N	2.6E+001	5.2E+002 N
POLYBROMINATED BIPHENYLS		7.00E-006 H	8.90E+000 H				7.5E-003 C	7.0E-004 C	3.5E-004 C	3.2E-001 C	7.2E-002 C !		
POLYCHLORINATED BIPHENYLS	1336363		2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C	2.1E-002	4.1E-001 C
AROCLOR-1016	12674112	7.00E-005 I	7.00E-002 I		7.00E-002 I		9.6E-001 C !	8.9E-002 C !	4.5E-002 C !	4.1E+001 C !	5.5E+000 N	2.1E-001	4.2E+000 C
AROCLOR-1221	11104282		2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C		
AROCLOR-1232	11141165		2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C		
AROCLOR-1242	53469219		2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C		
AROCLOR-1248	12672296		2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C		
AROCLOR-1254	11097691	2.00E-005 I	2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C !	5.4E-002	1.1E+000 C
AROCLOR-1260	11096825		2.00E+000 I		2.00E+000 I		3.3E-002 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C		
POLYCHLORINATED TERPHENYLS	61788338		4.50E+000 E				1.5E-002 C !	1.4E-003 C	7.0E-004 C	6.4E-001 C	1.4E-001 C		
POLYNUCLEAR AROMATIC HYDROCARBONS:								7.3E+002 N					
ACENAPHTHENE	83329	6.00E-002 I				y	3.7E+002 N	2.2E+002 N	8.1E+001 N	6.1E+004 N	4.7E+003 N	5.2E+000	1.0E+002 N
ANTHRACENE	120127	3.00E-001 I				y	1.8E+003 N	1.1E+003 N	4.1E+002 N	3.1E+005 N	2.3E+004 N	2.3E+001	4.7E+002 N
BENZ[A]ANTHRACENE	56553		7.30E-001 E				9.2E-002 C	8.6E-003 C	4.3E-003 C	3.9E+000 C	8.7E-001 C	7.3E-002	1.5E+000 C
BENZO[B]FLUORANTHENE	205992		7.30E-001 E				9.2E-002 C	8.6E-003 C	4.3E-003 C	3.9E+000 C	8.7E-001 C	2.3E-001	4.5E+000 C
BENZO[K]FLUORANTHENE	207089		7.30E-002 E				9.2E-001 C	8.6E-002 C	4.3E-002 C	3.9E+001 C	8.7E+000 C	2.3E+000	4.5E+001 C
BENZO[A]PYRENE	50328		7.30E+000 I		3.10E+000 E		9.2E-003 C	2.0E-003 C	4.3E-004 C	3.9E-001 C	8.7E-002 C	1.9E-002	3.7E-001 C
CARBAZOLE	86748		2.00E-002 H				3.3E+000 C	3.1E-001 C	1.6E-001 C	1.4E+002 C	3.2E+001 C	2.3E-002	4.7E-001 C
CHRYSENE	218019		7.30E-003 E				9.2E+000 C	8.6E-001 C	4.3E-001 C	3.9E+002 C	8.7E+001 C	7.3E+000	1.5E+002 C
DIBENZ[A,H]ANTHRACENE	53703		7.30E+000 E				9.2E-003 C	8.6E-004 C	4.3E-004 C	3.9E-001 C	8.7E-002 C	7.0E-002	1.4E+000 C
**DIBENZOFURAN	132649	2.00E-003 E				y	1.2E+001 N	7.3E+000 N	2.7E+000 N	2.0E+003 N	1.6E+002 N	1.9E-001	3.8E+000 N
FLUORANTHENE	206440	4.00E-002 I					1.5E+003 N	1.5E+002 N	5.4E+001 N	4.1E+004 N	3.1E+003 N	3.1E+002	6.3E+003 N
FLUORENE	86737	4.00E-002 I				y	2.4E+002 N	1.5E+002 N	5.4E+001 N	4.1E+004 N	3.1E+003 N	6.8E+000	1.4E+002 N
INDENO[1,2,3-C,D]PYRENE	193395		7.30E-001 E				9.2E-002 C	8.6E-003 C	4.3E-003 C	3.9E+000 C	8.7E-001 C	6.4E-001	1.3E+001 C
2-METHYLNAPHTHALENE	91576	2.00E-002 E				y	1.2E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	1.1E+000	2.2E+001 N
NAPHTHALENE	91203	2.00E-002 I		9.00E-004 I		y	6.5E+000 N	3.3E+000 N	2.7E+001 N	2.0E+004 N	1.6E+003 N	7.7E-003	1.5E-001 N

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Chemical	CAS	RfDo mg/kg/d		CSFo 1/mg/kg/d		RfDi mg/kg/d		CSFi 1/mg/kg/d		VOC	Risk-based concentrations: Tap water ug/l		Ambient air ug/m3		Fish mg/kg		Soil Industrial mg/kg		Residential mg/kg		Region III SSLs: Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg	
PYRENE	129000	3.00E-002	I							y	1.8E+002	N	1.1E+002	N	4.1E+001	N	3.1E+004	N	2.3E+003	N	3.4E+001	6.8E+002	N
PROMETON	1610180	1.50E-002	I								5.5E+002	N	5.5E+001	N	2.0E+001	N	1.5E+004	N	1.2E+003	N			
PROMETRYN	7287196	4.00E-003	I								1.5E+002	N !	1.5E+001	N	5.4E+000	N	4.1E+003	N	3.1E+002	N			
PROPACHLOR	1918167	1.30E-002	I								4.7E+002	N	4.7E+001	N	1.8E+001	N	1.3E+004	N	1.0E+003	N			
PROPANIL	709988	5.00E-003	I								1.8E+002	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N			
PROPARGITE	2312358	2.00E-002	I								7.3E+002	N	7.3E+001	N	2.7E+001	N	2.0E+004	N	1.6E+003	N			
N-PROPYLBENZENE	103651	4.00E-002	E							y	2.4E+002	N	1.5E+002	N	5.4E+001	N	4.1E+004	N	3.1E+003	N	1.4E+000	2.8E+001	N
PROPYLENE GLYCOL	57556	2.00E+001	H								7.3E+005	N	7.3E+004	N	2.7E+004	N	2.0E+007	N	1.6E+006	N			
PROPYLENE GLYCOL, MONOETHYL ETHER	52125538	7.00E-001	H								2.6E+004	N	2.6E+003	N	9.5E+002	N	7.2E+005	N	5.5E+004	N			
PROPYLENE GLYCOL, MONOMETHYL ETHER	107982	7.00E-001	H			5.70E-001	I				2.6E+004	N !	2.1E+003	N	9.5E+002	N	7.2E+005	N	5.5E+004	N			
PURSUIT	81335775	2.50E-001	I								9.1E+003	N	9.1E+002	N	3.4E+002	N	2.6E+005	N	2.0E+004	N			
PYRIDINE	110861	1.00E-003	I								3.7E+001	N	3.7E+000	N	1.4E+000	N	1.0E+003	N	7.8E+001	N			
QUINOLINE	91225			3.00E+000	I						2.2E-002	C	2.1E-003	C	1.1E-003	C	9.5E-001	C	2.1E-001	C			
RDX	121824	3.00E-003	I	1.10E-001	I						6.1E-001	C	5.7E-002	C	2.9E-002	C	2.6E+001	C	5.8E+000	C			
RESMETHRIN	10453868	3.00E-002	I								1.1E+003	N	1.1E+002	N	4.1E+001	N	3.1E+004	N	2.3E+003	N			
RONNEL	299843	5.00E-002	H								1.8E+003	N	1.8E+002	N	6.8E+001	N	5.1E+004	N	3.9E+003	N			
ROTENONE	83794	4.00E-003	I								1.5E+002	N	1.5E+001	N	5.4E+000	N	4.1E+003	N	3.1E+002	N			
SELENIOUS ACID	7783008	5.00E-003	I								1.8E+002	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N			
SELENIUM	7782492	5.00E-003	I								1.8E+002	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N	9.5E-001	1.9E+001	N
SILVER	7440224	5.00E-003	I								1.8E+002	N	1.8E+001	N	6.8E+000	N	5.1E+003	N	3.9E+002	N	1.6E+000	3.1E+001	N
SIMAZINE	122349	5.00E-003	I	1.20E-001	H						5.6E-001	C	5.2E-002	C	2.6E-002	C	2.4E+001	C	5.3E+000	C	1.7E-004	3.3E-003	C
SODIUM AZIDE	26628228	4.00E-003	I								1.5E+002	N	1.5E+001	N	5.4E+000	N	4.1E+003	N	3.1E+002	N			
SODIUM DIETHYLDITHIOCARBAMATE	148185	3.00E-002	I	2.70E-001	H						2.5E-001	C	2.3E-002	C	1.2E-002	C	1.1E+001	C	2.4E+000	C			
STRONTIUM, STABLE	7440246	6.00E-001	I								2.2E+004	N	2.2E+003	N	8.1E+002	N	6.1E+005	N	4.7E+004	N	7.7E+002	1.5E+004	N
STRYCHNINE	57249	3.00E-004	I								1.1E+001	N	1.1E+000	N	4.1E-001	N	3.1E+002	N	2.3E+001	N	8.3E-003	1.7E-001	N
STYRENE	100425	2.00E-001	I			2.86E-001	I			y	1.6E+003	N	1.0E+003	N	2.7E+002	N	2.0E+005	N	1.6E+004	N	2.9E+000	5.7E+001	N
2,3,7,8-TETRACHLORODIBENZODIOXIN	1746016			1.50E+005	H			1.50E+005	H		4.5E-007	C	4.2E-008	C	2.1E-008	C	1.9E-005	C	4.3E-006	C	4.3E-007	8.6E-006	C
1,2,4,5-TETRACHLOROBENZENE	95943	3.00E-004	I								1.1E+001	N	1.1E+000	N	4.1E-001	N	3.1E+002	N	2.3E+001	N	3.3E-002	6.6E-001	N
1,1,1,2-TETRACHLOROETHANE	630206	3.00E-002	I	2.60E-002	I			2.60E-002	I	y	4.1E-001	C	2.4E-001	C	1.2E-001	C	1.1E+002	C	2.5E+001	C	2.0E-004	4.0E-003	C
1,1,2,2-TETRACHLOROETHANE	79345	6.00E-002	E	2.00E-001	I			2.00E-001	I	y	5.3E-002	C	3.1E-002	C	1.6E-002	C	1.4E+001	C	3.2E+000	C	3.4E-005	6.8E-004	C
**TETRACHLOROETHENE	127184	1.00E-002	I	2.0E-002	O	1.4E-001	E	2.00E-002	O	y	5.3E-001	C	3.1E-001	C	1.6E-001	C	1.4E+002	C	3.2E+001	C	1.2E-003	2.4E-002	C
2,3,4,6-TETRACHLOROPHENOL	58902	3.00E-002	I								1.1E+003	N	1.1E+002	N	4.1E+001	N	3.1E+004	N	2.3E+003	N			
P,A,A,A-TETRACHLOROTOLUENE	5216251			2.00E+001	H						3.3E-003	C	3.1E-004	C	1.6E-004	C	1.4E-001	C	3.2E-002	C			
1,1,1,2-TETRAFLUOROETHANE	811972					2.29E+001	I			y	1.7E+005	N	8.4E+004	N									
TETRAHYDROFURAN	109999	2.00E-001	E	7.6E-003	E	8.6E-002	E	6.8E-003	E		8.8E+000	C	9.2E-001	C	4.2E-001	C	3.8E+002	C	8.4E+001	C			
TETRYL	479458	1.00E-002	H								3.7E+002	N	3.7E+001	N	1.4E+001	N	1.0E+004	N	7.8E+002	N			
THALLIC OXIDE	1314325	7.00E-005	W								2.6E+000	N	2.6E-001	N	9.5E-002	N	7.2E+001	N	5.5E+000	N			
THALLIUM	7440280	7.00E-005	O								2.6E+000	N	2.6E-001	N	9.5E-002	N	7.2E+001	N	5.5E+000	N	1.8E-001	3.6E+000	N
THALLIUM ACETATE	563688	9.00E-005	I								3.3E+000	N	3.3E-001	N	1.2E-001	N	9.2E+001	N	7.0E+000	N			
THALLIUM CARBONATE	6533739	8.00E-005	I								2.9E+000	N	2.9E-001	N	1.1E-001	N	8.2E+001	N	6.3E+000	N			
THALLIUM CHLORIDE	7791120	8.00E-005	I								2.9E+000	N	2.9E-001	N	1.1E-001	N	8.2E+001	N	6.3E+000	N			
THALLIUM NITRATE	10102451	9.00E-005	I								3.3E+000	N	3.3E-001	N	1.2E-001	N	9.2E+001	N	7.0E+000	N			

Sources: I = IRIS H = HEAST A = HEAST Alternate W = Withdrawn from IRIS or HEAST
E = EPA-NCEA provisional value O = other

Basis: C = Carcinogenic effects N = Noncarcinogenic effects ! = RBC at HI of 0.1 < RBC-c; see Alternate RBCs !! = See Alternate RBCs

Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	Risk-based concentrations: Tap water ug/l	Ambient air ug/m3	Fish mg/kg	Soil Industrial mg/kg	Residential mg/kg	Region III SSLs: Soil, for groundwater migration DAF 1 mg/kg	DAF 20 mg/kg
THALLIUM SULFATE (2:1)	7446186	8.00E-005 I					2.9E+000 N	2.9E-001 N	1.1E-001 N	8.2E+001 N	6.3E+000 N		
THIOBENCARB	28249776	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N		
TIN	7440315	6.00E-001 H					2.2E+004 N	2.2E+003 N	8.1E+002 N	6.1E+005 N	4.7E+004 N		
TITANIUM	7440326	4.00E+000 E		8.60E-003 E			1.5E+005 N	3.1E+001 N	5.4E+003 N	4.1E+006 N	3.1E+005 N		
TITANIUM DIOXIDE	13463677	4.00E+000 E		8.60E-003 E			1.5E+005 N	3.1E+001 N	5.4E+003 N	4.1E+006 N	3.1E+005 N		
TOLUENE	108883	2.00E-001 I		1.14E-001 I		y	7.5E+002 N	4.2E+002 N	2.7E+002 N	2.0E+005 N	1.6E+004 N	4.4E-001	8.8E+000 N
TOLUENE-2,4-DIAMINE	95807		3.20E+000 H				2.1E-002 C	2.0E-003 C	9.9E-004 C	8.9E-001 C	2.0E-001 C		
TOLUENE-2,5-DIAMINE	95705	6.00E-001 H					2.2E+004 N	2.2E+003 N	8.1E+002 N	6.1E+005 N	4.7E+004 N		
TOLUENE-2,6-DIAMINE	823405	2.00E-001 H					7.3E+003 N	7.3E+002 N	2.7E+002 N	2.0E+005 N	1.6E+004 N		
P-TOLUIDINE	106490		1.90E-001 H				3.5E-001 C	3.3E-002 C	1.7E-002 C	1.5E+001 C	3.4E+000 C	3.0E-004	5.9E-003 C
TOXAPHENE	8001352		1.10E+000 I		1.10E+000 I		6.1E-002 C	5.7E-003 C	2.9E-003 C	2.6E+000 C	5.8E-001 C	3.1E-002	6.3E-001 C
1,2,4-TRIBROMOBENZENE	615543	5.00E-003 I					1.8E+002 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N		
TRIBUTYLTIN OXIDE	56359	3.00E-004 I					1.1E+001 N	1.1E+000 N	4.1E-001 N	3.1E+002 N	2.3E+001 N		
2,4,6-TRICHLOROANILINE	634935		3.40E-002 H				2.0E+000 C	1.8E-001 C	9.3E-002 C	8.4E+001 C	1.9E+001 C		
1,2,4-TRICHLOROBENZENE	120821	1.00E-002 I		1.00E-003 E		y	7.2E+000 N	3.7E+000 N	1.4E+001 N	1.0E+004 N	7.8E+002 N	1.4E-002	2.8E-001 N
1,1,1-TRICHLOROETHANE	71556	2.80E-001 E		6.30E-001 E		y	3.2E+003 N	2.3E+003 N	3.8E+002 N	2.9E+005 N	2.2E+004 N	3.0E+000	6.0E+001 N
1,1,2-TRICHLOROETHANE	79005	4.00E-003 I	5.70E-002 I		5.60E-002 I	y	1.9E-001 C	1.1E-001 C	5.5E-002 C	5.0E+001 C	1.1E+001 C	3.9E-005	7.8E-004 C
TRICHLOROETHENE	79016	3.00E-004 E	4.00E-001 E	1.00E-002 E	4.00E-001 E	y	2.6E-002 C	1.6E-002 C	7.9E-003 C	7.2E+000 C	1.6E+000 C	1.3E-005	2.6E-004 C
TRICHLOROFLUOROMETHANE	75694	3.00E-001 I		2.00E-001 A		y	1.3E+003 N	7.3E+002 N	4.1E+002 N	3.1E+005 N	2.3E+004 N	1.1E+000	2.3E+001 N
2,4,5-TRICHLOROPHENOL	95954	1.00E-001 I					3.7E+003 N	3.7E+002 N	1.4E+002 N	1.0E+005 N	7.8E+003 N		
2,4,6-TRICHLOROPHENOL	88062		1.10E-002 I		1.00E-002 I		6.1E+000 C	6.3E-001 C	2.9E-001 C	2.6E+002 C	5.8E+001 C		
2,4,5-T	93765	1.00E-002 I					3.7E+002 N	3.7E+001 N	1.4E+001 N	1.0E+004 N	7.8E+002 N	9.8E-002	2.0E+000 N
2-(2,4,5-TRICHLOROPHENOXY)PROPIONIC ACID	93721	8.00E-003 I					2.9E+002 N	2.9E+001 N	1.1E+001 N	8.2E+003 N	6.3E+002 N	1.1E+000	2.1E+001 N
1,1,2-TRICHLOROPROPANE	598776	5.00E-003 I				y	3.0E+001 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N	1.2E-002	2.5E-001 N
1,2,3-TRICHLOROPROPANE	96184	6.00E-003 I	2.00E+000 E	1.4E-003 E		y	5.3E-003 C	3.1E-003 C	1.6E-003 C	1.4E+000 C	3.2E-001 C	1.8E-006	3.6E-005 C
1,2,3-TRICHLOROPROPENE	96195	5.00E-003 H				y	3.0E+001 N	1.8E+001 N	6.8E+000 N	5.1E+003 N	3.9E+002 N	1.2E-002	2.5E-001 N
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76131	3.00E+001 I		8.60E+000 H		y	5.9E+004 N	3.1E+004 N	4.1E+004 N	3.1E+007 N	2.3E+006 N	1.2E+002	2.3E+003 N
1,2,4-TRIMETHYLBENZENE	95636	5.00E-002 E		1.70E-003 E		y	1.2E+001 N	6.2E+000 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
1,3,5-TRIMETHYLBENZENE	108678	5.00E-002 E		1.70E-003 E		y	1.2E+001 N	6.2E+000 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		
TRIMETHYL PHOSPHATE	512561		3.70E-002 H				1.8E+000 C	1.7E-001 C	8.5E-002 C	7.7E+001 C	1.7E+001 C		
1,3,5-TRINITROBENZENE	99354	3.00E-002 I					1.1E+003 N	1.1E+002 N	4.1E+001 N	3.1E+004 N	2.3E+003 N		
2,4,6-TRINITROTOLUENE	118967	5.00E-004 I	3.00E-002 I				2.2E+000 C !	2.1E-001 C !	1.1E-001 C !	9.5E+001 C !	2.1E+001 C !		
URANIUM (SOLUBLE SALTS; from IRIS)	7440611	3.00E-003 I					1.1E+002 N	1.1E+001 N	4.1E+000 N	3.1E+003 N	2.3E+002 N		
URANIUM (SOLUBLE SALTS; provisional)	7440611	2.00E-004 E					7.3E+000 N	7.3E-001 N	2.7E-001 N	2.0E+002 N	1.6E+001 N		
VANADIUM	7440622	7.00E-003 H					2.6E+002 N	2.6E+001 N	9.5E+000 N	7.2E+003 N	5.5E+002 N	2.6E+002	5.1E+003 N
VANADIUM PENTOXIDE	1314621	9.00E-003 I					3.3E+002 N	3.3E+001 N	1.2E+001 N	9.2E+003 N	7.0E+002 N		
VANADIUM SULFATE	16785812	2.00E-002 H					7.3E+002 N	7.3E+001 N	2.7E+001 N	2.0E+004 N	1.6E+003 N		
VINCLOZOLIN	50471448	2.50E-002 I					9.1E+002 N	9.1E+001 N	3.4E+001 N	2.6E+004 N	2.0E+003 N		
VINYL ACETATE	108054	1.00E+000 H		5.71E-002 I		y	4.1E+002 N	2.1E+002 N	1.4E+003 N	1.0E+006 N	7.8E+004 N	8.7E-002	1.7E+000 N
VINYL CHLORIDE inc earlylife(see cover memos)	75014	3.00E-003 I	1.40E+000 I	2.8E-002 I	3.00E-002 I	y	1.5E-002 C	7.2E-002 C			9.0E-002 C	1.7E-005	3.3E-004 C
VINYL CHLORIDE: adult (see cover memos)	75014	3.00E-003 I	7.20E-001 I	2.8E-002 I	1.5E-002 I	y			4.4E-003 C	4.0E+000 C			
WARFARIN	81812	3.00E-004 I					1.1E+001 N	1.1E+000 N	4.1E-001 N	3.1E+002 N	2.3E+001 N	2.2E-002	4.4E-001 N

Sources: I = IRIS H = HEAST A = HEAST Alternate W = Withdrawn from IRIS or HEAST E = EPA-NCEA provisional value O = other							Basis: C = Carcinogenic effects N = Noncarcinogenic effects ! = RBC at HI of 0.1 < RBC-c; see Alternate RBCs !! = See Alternate RBCs Risk-based concentrations					Region III SSLs	
							Tap	Ambient		Soil		Soil, for groundwater migration	
Chemical	CAS	RfDo mg/kg/d	CSFo 1/mg/kg/d	RfDi mg/kg/d	CSFi 1/mg/kg/d	VOC	water ug/l	air ug/m3	Fish mg/kg	Industrial mg/kg	Residential mg/kg	DAF 1 mg/kg	DAF 20 mg/kg
**XYLENES	1330207	2.00E-001 I		3.00E-002 I		y	2.1E+002 N	1.1E+002 N	2.7E+002 N	2.0E+005 N	1.6E+004 N	1.5E-001	3.0E+000 N
ZINC	7440666	3.00E-001 I					1.1E+004 N	1.1E+003 N	4.1E+002 N	3.1E+005 N	2.3E+004 N	6.8E+002	1.4E+004 N
ZINC PHOSPHIDE	1314847	3E-004 I					1.1E+001 N	1.1E+000 N	4.1E-001 N	3.1E+002 N	2.3E+001 N		
ZINEB	12122677	5E-002 I					1.8E+003 N	1.8E+002 N	6.8E+001 N	5.1E+004 N	3.9E+003 N		