

Disclaimer

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Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Acenaphthene	83-32-9	50% <i>ATSDR</i>	NC	NA	NC	6.00E-02 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Acenaphthylene	208-96-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>Surrogate (a)</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Acephate	0560-19-	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-03 <i>IRIS High</i>	NC	C	NC	NA	NC	8.70E-03 <i>IRIS</i>	NC
Acetaldehyde	75-07-0	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	B2 <i>IRIS</i>	NA	2.20E-06 <i>IRIS</i>	NA	NA
Acetone	67-64-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>IRIS Low</i>	9.00E-01 <i>IRIS Low</i>	NA	D <i>IRIS</i>	NA	NC	NA	NC
Acetophenone	98-86-2	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>IRIS Low</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Acifluorfen, sodium [or Blazer]	2476-59-	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.30E-02 <i>IRIS Medium</i>	NA	B2 <i>HAL</i>	NA	NC	NA	3.50E-02 <i>HAL</i>
Acrolein	107-02-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-05 <i>IRIS Medium</i>	NC	2.00E-02 <i>HEAST</i>	5.00E-04 <i>IRIS Medium</i>	NA	D <i>IRIS</i>	NA	NC	NA	NC
Acrylamide	79-06-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-04 <i>IRIS Medium</i>	NC	B2 <i>IRIS</i>	NC	1.30E-03 <i>IRIS</i>	NC	4.50E+00 <i>IRIS</i>	NC
Acrylic acid	79-10-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E-03 <i>IRIS</i>	NC	5.00E-01 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Acrylonitrile	107-13-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-03 <i>IRIS Medium</i>	NC	1.00E-03 <i>HEAST</i>	NC	B1 <i>IRIS 94</i>	NC	6.80E-05 <i>IRIS</i>	NC	5.40E-01 <i>IRIS</i>	NC
Alachlor	5972-60-	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>IRIS High</i>	NC	B2 <i>IRIS 94</i>	NC	NA	NC	8.00E-02 <i>HEAST</i>	NC
Aldicarb [or Temik]	116-06-3	100% <i>HSDB</i>	NC	NA	NC	1.00E-03 <i>IRIS Medium</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Aldrin	309-00-2	100% <i>HSDB</i>	NC	NA	NC	3.00E-05 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	4.90E-03 <i>IRIS</i>	4.90E-03 <i>IRIS</i>	1.70E+01 <i>IRIS</i>	NC

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		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Allyl [or Metsulfuron, methyl]	4223-64-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.50E-01 <i>IRIS High</i>	NA	NC	NA		NA	NC
Allyl alcohol	107-18-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Allyl chloride	107-05-1	NA	100% <i>RAGS-E</i>	NA	1.00E-03 <i>IRIS Low</i>	NA	5.00E-02 <i>HEAST</i>	NA	C <i>IRIS</i>	NA	NC	NA	NC
Aluminum	7429-90-5	4% <i>ATSDR</i>	NC	NA	NC	1.00E+00 <i>NCEA</i>	NC	NA	NC	NA	NC	NA	NC
Aluminum phosphide	0859-73-1	20% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-04 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Ametryn	834-12-8	68% <i>HSDB</i>	NC	NA	NC	9.00E-03 <i>IRIS Low</i>	NC <i>Low</i>	NA	NC	NA	NC	NA	NC
Ammonia	7664-41-7	80% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E-01 <i>IRIS Medium</i>	NC	4.00E-01 <i>ATSDR</i>	NC	NA	NC	NA	NC	NA	NC
Aniline	62-53-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E-03 <i>IRIS Low</i>	NC	NA	7.00E-03 <i>NCEA</i>	B2	NC	NA	NC	5.70E-03 <i>IRIS</i>	NC
Anthracene	120-12-7	50% <i>ATSDR</i>	NC	NA	NC	3.00E-01 <i>IRIS Low</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Antimony	7440-36-0	1% <i>ATSDR</i>	NC	NA	NC	4.00E-04 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Aroclor mixture [see PCBs]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NOCAS	95% <i>ATSDR</i>	NC	NA	NC	3.00E-04 <i>IRIS Medium</i>	NC <i>Medium</i>	A <i>IRIS 94</i>	NC	4.30E-03 <i>IRIS</i>	NC	1.50E+00 <i>IRIS</i>	NC
Atrazine	1912-24-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.50E-02 <i>IRIS High</i>	NC	C <i>HEAST 94</i>	NC	NA	NC	2.22E-01 <i>HEAST</i>	2.20E-01 <i>HEAST</i>
Azinphos, methyl [see Guthion]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA

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		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Azobenzene	103-33-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2 <i>IRIS</i>	NC	3.10E-05 <i>IRIS</i>	NC	1.10E-01 <i>IRIS</i>	NC
Barium (soluble salts)	7440-39-3	5% <i>ATSDR</i>	7% <i>RAGS-E</i>	5.00E-04 <i>HEAST</i>	NC	7.00E-02 <i>IRIS Medium</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Baygon [or Propoxur]	114-26-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	4.00E-03 <i>IRIS Medium</i>	NA	NC	NA	NC	NA	NC
Bayleton	3121-43-	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Benomyl	7804-35-	67% <i>HSDB</i>	NC	NA	NC	5.00E-02 <i>IRIS High</i>	NC	NA	C <i>OPP</i>	NA	NC	NA	NC
Bentazon	5057-89-	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS Medium</i>	NC	NA	E <i>IRIS</i>	NA	NC	NA	NC
Benzaldehyde	100-52-7	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Benzene	71-43-2	90% <i>ATSDR</i>	NC	NA	3.00E-02 <i>IRIS Medium</i>	NA	4.00E-03 <i>IRIS Medium</i>	A <i>IRIS 94</i>	NC	7.80E-06 <i>IRIS</i>	NC	2.90E-02 <i>IRIS</i>	5.50E-02 <i>IRIS</i>
Benzenethiol	108-98-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-05 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Benzidine	92-87-5	NA	100% <i>RAGS-E</i>	NA	NC	NA	3.00E-03 <i>IRIS Medium</i>	B	A <i>IRIS</i>	NA	6.70E-02 <i>IRIS</i>	NA	2.30E+02 <i>IRIS</i>
Benzo(a)anthracene	56-55-3	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	7.30E-01 <i>NCEA</i>	NC
Benzo(a)pyrene	50-32-8	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	7.30E+00 <i>IRIS</i>	NC
Benzo(b)fluoranthene	205-99-2	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	7.30E-01 <i>NCEA</i>	NC
Benzo(g,h,i)perylene	191-24-2	50% <i>ATSDR</i>	NC	NA	NC	3.00E-02 <i>Surrogate (a)</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC

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		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Benzo(k)fluoranthene	207-08-9	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	7.30E-02 <i>NCEA</i>	NC
Benzoic acid	65-85-0	100% <i>HSDB</i>	NC	NA	NC	4.00E+00 <i>IRIS Medium</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Benzotrichloride	98-07-7	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	B2 <i>IRIS</i>	NA	NA	NA	1.30E+01 <i>IRIS</i>
Benzyl alcohol	100-51-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Benzyl chloride	100-44-7	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	NA	NC	1.70E-01 <i>IRIS</i>	NC
Beryllium	7440-41-7	1% <i>ATSDR</i>	1% <i>ATSDR</i>	NA <i>IRIS Medium</i>	2.00E-05 <i>IRIS Medium</i>	NA <i>IRIS Low/Medium</i>	2.00E-03 <i>IRIS Low/Medium</i>	B1 <i>IRIS 94</i>	NC	2.40E-03 <i>IRIS</i>	NC	4.30E+00	NA
Betanal [see Phenmedipham]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
BHC, alpha- [see Hexachlorocyclohexane, alpha-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
BHC, beta- [see Hexachlorocyclohexane, beta-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
BHC, delta- [see Hexachlorocyclohexane, delta-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
BHC, gamma- [see Hexachlorocyclohexane, gamma-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Bidrin [or Dicrotophos]	141-66-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-04 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Biphenyl, 1,1- [or Diphenyl]	92-52-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>IRIS Medium</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Bis(2-chloro-1-methylethyl)ether [see Bis(2-chloroisopropyl)ether]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA

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		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Bis(2-chloroethoxy)methane	111-91-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	3.00E-03 <i>CEHT</i>	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	111-44-4	98% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	3.30E-04 <i>IRIS</i>	NC	1.10E+00 <i>IRIS</i>	NC
Bis(2-chloroisopropyl)ether [or Bis(2-chloro-1-methylethyl)ether]	9638-32-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-02 <i>IRIS Low</i>	NC	C	NC	NA	NC	7.00E-02 <i>HEAST</i>	NC
Bis(2-ethylhexyl)adipate	103-23-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	6.00E-01 <i>IRIS Medium</i>	B	C <i>IRIS</i>	NA	NC	NA	1.20E-03 <i>IRIS</i>
Bis(2-ethylhexyl)phthalate [or DEHP]	117-81-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	NA	NC	1.40E-02 <i>IRIS</i>	NC
Bisphenol A	80-05-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Blazer [see Acifluorfen, sodium]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Boron	7440-42-8	20% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-02 <i>HEAST</i>	NC	9.00E-02 <i>IRIS Medium</i>	2.00E-01 <i>IRIS High</i>	NA	NC	NA	NC	NA	NC
Bravo [see Chlorothalonil]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Bromacil	314-40-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>OPP</i>	NC	NA	C <i>HAL</i>	NA	NC	NA	NC
Bromate	5541-45-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	4.00E-03 <i>IRIS Medium</i>	NA	B2 <i>IRIS</i>	NA	NA	NA	7.00E-01 <i>IRIS</i>
Bromochloromethane	74-97-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-02 <i>HAL</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Bromodichloromethane	75-27-4	98% <i>ATSDR</i>	NC	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	NA	NC	6.20E-02 <i>IRIS</i>	NC
Bromoform	75-25-2	75% <i>ATSDR</i>	NC	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	1.10E-06 <i>IRIS</i>	NC	7.90E-03 <i>IRIS</i>	NC

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		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Bromomethane [or Methyl bromide]	74-83-9	80% <i>Region IV</i>	100% <i>RAGS-E</i>	5.00E-03 <i>IRIS</i>	NC	1.40E-03 <i>IRIS Medium</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Bromoxynil	1689-84-5	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.00E-02 <i>IRIS Medium</i>	NA	NC	NA	NC	NA	NC
Butanol, n-	71-36-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>IRIS Low</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Butanol, tert- [see Butyl alcohol, tert-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Butanone, 2- [see Methyl ethyl ketone]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Butyl alcohol, tert- [or Butanol, tert-]	75-65-0	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.00E-01 <i>CEHT</i>	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	85-68-7	100% <i>HSDB</i>	NC	NA	NC	2.00E-01 <i>IRIS Low</i>	NC	NA	C <i>IRIS</i>	NA	NC	NA	NC
Butylate	2008-41-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Butylphthalyl butylglycolate	85-70-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E+00 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Cadmium	7440-43-9	4% <i>ATSDR</i>	NC	NA	NC	1.00E-03 <i>IRIS High</i>	NC	B1 <i>IRIS 94</i>	NC	1.80E-03 <i>IRIS</i>	NC	NA	NC
Calcium cyanide	592-01-8	20% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Captafol	2425-06-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.00E-03 <i>IRIS High</i>	B	C <i>HEAST</i>	NA	NC	NA	8.60E-03 <i>HEAST</i>
Captan	133-06-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-01 <i>IRIS High</i>	NC	B2	NC	NA	NC	3.50E-03 <i>HEAST</i>	NC
Carbaryl [or Sevin]	63-25-2	98% <i>HSDB</i>	NC	NA	NC	1.00E-01 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC

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		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Carbazole	86-74-8	80%	100%	NA	NC	NA	NC	B2	NC	NA	NC	2.00E-02	NC
		<i>Region IV</i>	<i>RAGS-E</i>					<i>IRIS 94</i>				<i>HEAST</i>	
Carbofuran	1563-66-2	50%	100%	NA	NC	5.00E-03	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS High</i>							
Carbon disulfide	75-15-0	80%	100%	7.00E-01	NC	1.00E-01	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>	<i>IRIS Medium</i>		<i>IRIS Medium</i>							
Carbon tetrachloride	56-23-5	85%	NC	NA	2.00E-03	7.00E-04	NC	B2	NC	1.50E-05	NC	1.30E-01	NC
		<i>ATSDR</i>			<i>NCEA</i>	<i>IRIS Medium</i>		<i>IRIS 94</i>		<i>IRIS</i>		<i>IRIS</i>	
Carbophenothion [or Trithion]	786-19-6	50%	100%	NA	NC	1.30E-04	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>OPP</i>							
Carboxin	5234-68-4	NA	100%	NA	NC	NA	1.00E-01	NA	NC	NA	NC	NA	NC
			<i>RAGS-E</i>				<i>IRIS High</i>						
CFC 113 [see Trichloro-1,2,2-trifluoroethane, 1,1,2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Chloral hydrate	302-17-0	NA	100%	NA	NC	NA	1.00E-01	NA	C	NA	NA	NA	NA
			<i>RAGS-E</i>				<i>IRIS High</i>		<i>IRIS</i>				
Chloramben	133-90-4	NA	100%	NA	NC	NA	1.50E-02	NA	NC	NA	NC	NA	NC
			<i>RAGS-E</i>				<i>IRIS Medium</i>						
Chlordane (total)		NA	80%	NA	NC	NA	5.00E-04	NA	B2	NA	1.00E-04	NA	3.50E-01
			<i>ATSDR</i>				<i>IRIS Medium</i>		<i>IRIS</i>		<i>IRIS</i>		<i>IRIS</i>
Chlorine cyanide [or Cyanogen chloride]	506-77-4	80%	100%	NA	NC	5.00E-02	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS Medium</i>							
Chloro-1,1-difluoroethane, 1-	75-68-3	NA	100%	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
			<i>RAGS-E</i>										
Chloro-1,3-butadiene [or Chloroprene]	126-99-8	80%	100%	7.00E-03	NC	2.00E-02	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>	<i>HEAST</i>		<i>HEAST</i>							
Chloro-3-methylphenol, 4- [see Chloro-m-cresol, p-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Chloroacetic acid	79-11-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-03 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Chloroaniline, p-	106-47-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Chlorobenzene	108-90-7	31% <i>ATSDR</i>	NC	2.00E-02 <i>HEAST</i>	NA	2.00E-02 <i>IRIS Medium</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Chlorobenzilate	510-15-6	57% <i>HSDB</i>	NC	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	B2 <i>HEAST 93</i>	NC	7.80E-05 <i>HEAST</i>	NC	2.70E-01 <i>HEAST</i>	NC
Chlorobenzoic acid, p-	74-11-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Chlorobenzotrifluoride, 4-	98-56-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Chlorobutane, 1-	109-69-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-01 <i>HEAST</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Chlorodifluoromethane	75-45-6	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane [see Ethyl chloride]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	67-66-3	100% <i>ATSDR</i>	NC	NA	NC	1.00E-02 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	2.30E-05 <i>IRIS</i>	NC	6.10E-03 <i>IRIS</i>	NA
Chloro-m-cresol, p- [or Chloro-3-methylphenol, 4-]	59-50-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	9.00E-03 <i>OPP</i>	NC	NA	NC	NA	NC	NA	NC
Chloromethane [see Methyl chloride]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Chloronaphthalene, beta-	91-58-7	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	8.00E-02 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Chloronitrobenzene, o-	88-73-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2 <i>HEAST</i>	NC	NA	NC	2.50E-02 <i>HEAST</i>	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Chloronitrobenzene, p-	100-00-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2 <i>HEAST</i>	NC	NA	NC	1.80E-02 <i>HEAST</i>	NC
Chlorophenol, 2-	95-57-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Chlorophenol, 3-	108-43-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>Surrogate (b)</i>	NC	NA	NC	NA	NC	NA	NC
Chlorophenol, 4-	106-48-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>Surrogate (b)</i>	NC	NA	NC	NA	NC	NA	NC
Chloroprene [see Chloro-1,3-butadiene]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Chloropropane, 2-	75-29-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC	NA	NC
Chlorothalonil [or Bravo]	1897-45-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.50E-02 <i>IRIS Medium</i>	NC	B2 <i>IRIS 95</i>	NC	NA	NC	1.10E-02 <i>HEAST</i>	NC
Chlorotoluene, o-	95-49-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Chlorotoluene, p-	106-43-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>HAL</i>	NC	NA	NC	NA	NC	NA	NC
Chlorpropham	101-21-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-01 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Chlorpyrifos	2921-88-2	90% <i>HSDB</i>	NC	NA	NC	3.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Chromium (hexavalent)	8540-29-1	1% <i>ATSDR</i>	NC	1.00E-04 <i>IRIS Low</i>	8.00E-06 <i>IRIS Low</i>	3.00E-03 <i>IRIS Low</i>	NC	A <i>IRIS 94</i>	NC	1.20E-02 <i>IRIS</i>	NC	NA	NC
Chromium (total)	NOCAS	NA		NA	NC	NA	NC	B	NC	NA	NC	NA	NC
Chromium (trivalent)	6065-83-2	1% <i>ATSDR</i>	NC	NA	NC	1.50E+00 <i>IRIS</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Chrysene	218-01-9	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	7.30E-03 <i>NCEA</i>	NC
Cobalt	7440-48-4	25% <i>HSDB</i>	NC	NA	NC	6.00E-02 <i>NCEA</i>	2.00E-02 <i>NCEA</i>	NA	NC	NA	NC	NA	NC
Copper	7440-50-8	56% <i>ATSDR</i>	NC	NA	NC	3.71E-02 <i>HEAST-extrap</i>	4.00E-02 <i>HEAST</i>	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Coumaphos	56-72-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-04 <i>OPP</i>	NC	NA	NC	NA	NC	NA	NC
Cresol, m- [see Methylphenol, 3-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Cresol, o- [see Methylphenol, 2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Cresol, p- [see Methylphenol, 4-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Crotonaldehyde	123-73-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	C <i>HEAST</i>	NC	NA	NC	1.90E+00 <i>HEAST</i>	NC
Cumene [or Isopropyl benzene]	98-82-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	4.00E-01 <i>IRIS Medium</i>	NC	1.00E-01 <i>IRIS Low</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Cyanide, free	57-12-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Cyanogen	460-19-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Cyanogen chloride [see Chlorine cyanide]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Cycloate	1134-23-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>OPP</i>	NC	NA	NC	NA	NC	NA	NC
Cyclohexanone	108-94-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E+00 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Cyclohexylamine	108-91-8	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.00E-01 <i>IRIS High</i>	NA	NC	NA		NA	NC
Cyhalothrin [or Karate]	8085-85-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Cymene, p-	99-87-6	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Cypermethrin	2315-07-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>IRIS High</i>	NC	NA	C	NA	NC	NA	NC
DBCP, 1,2- [see Dibromo-3-chloropropane, 1,2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
DDD, 4,4'- [see Dichlorodiphenyldichloroethane, p,p']		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
DDE, 4,4'- [see Dichlorodiphenyldichloroethylene, p,p']		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
DDT, 4,4'- [see Dichlorodiphenyltrichloroethane, p,p']		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Decabromodiphenyl ether	1163-19-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>IRIS</i>	NC	NA	C <i>IRIS</i>	NA	NC	NA	NC
DEHP [see Bis(2-ethylhexyl)phthalate]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Diallate	2303-16-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>OPP</i>	NC	B2 <i>HEAST</i>	NC	NA	NC	6.10E-02 <i>HEAST</i>	NC
Diazinon	333-41-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	9.00E-04 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Dibenz(a,h)anthracene	53-70-3	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	7.30E+00 <i>NCEA</i>	NC
Dibenzofuran	132-64-9	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-03 <i>NCEA</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Dibromo-3-chloropropane, 1,2- [or DBCP, 1,2-]	96-12-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-04 <i>IRIS Medium</i>	NC	NA	NC	B2 <i>HEAST 94</i>	NC	6.90E-07 <i>HEAST</i>	NC	1.40E+00 <i>HEAST</i>	NC
Dibromobenzene, 1,4-	106-37-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Dibromochloromethane	124-48-1	75% <i>ATSDR</i>	NC	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	C <i>IRIS 94</i>	NC	NA	NC	8.40E-02 <i>IRIS</i>	NC
Dibromoethane, 1,2- [or EDB]	106-93-4	98% <i>ATSDR</i>	NC	2.00E-04 <i>HEAST</i>	9.00E-03 <i>IRIS</i>	NA	9.00E-03 <i>IRIS</i>	B2 <i>IRIS 94</i>	NC	2.20E-04 <i>IRIS</i>	3.00E-04 <i>IRIS</i>	8.50E+01 <i>IRIS</i>	2.00E+00 <i>IRIS</i>
Dibutyl phthalate	84-74-2	100% <i>ATSDR</i>	NC	NA	NC	1.00E-01 <i>IRIS Low</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Dibutyl phthalate	84-74-2	NA	100% <i>ATSDR</i>	NA	NC	NA	1.00E-01 <i>IRIS Low</i>	NA	D <i>IRIS</i>	NA	NC	NA	NC
Dicamba	1918-00-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Dichloroacetic acid	79-43-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-03 <i>HAL</i>	NC	B2 <i>HAL</i>	NC	NA	NC	NA	5.00E-02 <i>IRIS</i>
Dichloroacetonitrile	3018-12-C	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	8.00E-03 <i>HAL</i>	NC	C <i>HAL</i>	NC	NA	NC	NA	NC
Dichlorobenzene, 1,2-	95-50-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-01 <i>HEAST</i>	NC	9.00E-02 <i>IRIS</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Dichlorobenzene, 1,3-	541-73-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>NCEA</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Dichlorobenzene, 1,4-	106-46-7	100% <i>ATSDR</i>	NC	8.00E-01 <i>IRIS Medium</i>	NC	3.00E-02 <i>NCEA</i>	NC	C <i>IRIS 94</i>	NC	NA	NC	2.40E-02 <i>HEAST</i>	NC
Dichlorobenzidine, 3,3'-	91-94-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	NA	NC	4.50E-01 <i>IRIS</i>	NC
Dichlorobenzophenone, 4,4'-	90-98-2	NA	100% <i>RAGS-E</i>	NA	NC	NA	3.00E-02 <i>NCEA Low</i>	NA	NA	NA	NA	NA	NA

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Dichlorodifluoromethane	75-71-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-01 <i>HEAST</i>	NC	2.00E-01 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Dichlorodiphenyldichloroethane, p,p'- [or DDD, 4,4'-]	72-54-8	80% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	2.40E-01 <i>IRIS</i>	NC
Dichlorodiphenyldichloroethylene, p,p'- [or DDE, 4,4'-]	72-55-9	80% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	3.40E-01 <i>IRIS</i>	NC
Dichlorodiphenyltrichloroethane, p,p'- [or DDT, 4,4'-]	50-29-3	80% <i>ATSDR</i>	NC	NA	NC	5.00E-04 <i>IRIS Medium</i>	NC	B2 <i>IRIS94</i>	NC	9.70E-05 <i>IRIS</i>	NC	3.40E-01 <i>IRIS</i>	NC
Dichloroethane, 1,1-	75-34-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	5.00E-01 <i>HEAST</i>	NC	NA	1.00E-01 <i>HEAST</i>	C <i>IRIS 94</i>	NC	NA	NC	NA	NC
Dichloroethane, 1,2- [or EDC]	107-06-2	100% <i>ATSDR</i>	NC	NA	NC	NA	3.00E-02 <i>NCEA</i>	B2 <i>IRIS 94</i>	NC	2.60E-05 <i>IRIS</i>	NC	9.10E-02 <i>IRIS</i>	NC
Dichloroethene, 1,1-	75-35-4	100% <i>ATSDR</i>	NC	NA	2.00E-01 <i>IRIS Medium</i>	9.00E-03 <i>IRIS Medium</i>	5.00E-02 <i>IRIS Medium</i>	C <i>IRIS 94</i>	NC	5.00E-05 <i>IRIS</i>	NA	6.00E-01 <i>IRIS</i>	NA
Dichloroethene, cis-1,2-	156-59-2	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>HEAST</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Dichloroethene, trans-1,2-	156-60-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Dichlorophenol, 2,3-	576-24-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-03 <i>Surrogate (c)</i>	NC	NA	NC	NA	NC	NA	NC
Dichlorophenol, 2,4-	120-83-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Dichlorophenol, 2,5-	583-78-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-03 <i>Surrogate (c)</i>	NC	NA	NC	NA	NC	NA	NC
Dichlorophenol, 2,6-	87-65-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-03 <i>Surrogate (c)</i>	NC	NA	NC	NA	NC	NA	NC
Dichlorophenol, 3,4-	95-77-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-03 <i>Surrogate (c)</i>	NC	NA	NC	NA	NC	NA	NC

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Dichlorophenoxy acetic acid, 2,4-	94-75-7	100%	NC	NA	NC	1.00E-02	NC	NA	NC	NA	NC	NA	NC
		<i>HSDB</i>				<i>IRIS Medium</i>							
Dichloropropane, 1,2-	78-87-5	100%	NC	4.00E-03	NC	NA	NC	B2	NC	NA	NC	6.80E-02	NC
		<i>ATSDR</i>		<i>HEAST Medium</i>				<i>IRIS 94</i>				<i>HEAST</i>	
Dichloropropene, 1,3-	542-75-6	98%	NC	2.00E-02	NC	3.00E-04	3.00E-02	B2	NC	3.70E-05	4.00E-06	1.80E-01	1.00E-01
		<i>ATSDR</i>		<i>IRIS High</i>		<i>IRIS Low</i>	<i>IRIS High</i>	<i>IRIS 94</i>		<i>HEAST</i>	<i>IRIS</i>	<i>HEAST</i>	<i>IRIS</i>
Dichlorprop	120-36-5	50%	100%	NA	NC	5.00E-03	NC	B2	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>OPP</i>		<i>IRIS 94</i>					
Dichlorvos	62-73-7	96%	NC	5.00E-04	NC	5.00E-04	NC	B2	NC	NA	NC	2.90E-01	NC
		<i>HSDB</i>		<i>IRIS Medium</i>		<i>IRIS Medium</i>		<i>IRIS 94</i>				<i>IRIS</i>	
Dicofol [or Kelthane]	115-32-2	50%	100%	NA	NC	1.20E-03	NC	NA	C	NA	NC	4.40E-01	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>OPP</i>			<i>OPP</i>			<i>IRIS-WD</i>	
Dicrotophos [see Bidrin]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	60-57-1	100%	NC	NA	NC	5.00E-05	NC	B2	NC	4.60E-03	4.60E-03	1.60E+01	NC
		<i>HSDB</i>				<i>IRIS Medium</i>		<i>IRIS 94</i>		<i>IRIS</i>	<i>IRIS</i>	<i>IRIS</i>	
Diethyl phthalate	84-66-2	100%	NC	NA	NC	8.00E-01	NC	D	NC	NA	NC	NA	NC
		<i>HSDB</i>				<i>IRIS Low</i>		<i>IRIS 94</i>					
Diethylene glycol, monoethyl ether	111-90-0	50%	100%	NA	NC	2.00E+00	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>HEAST</i>							
Diisopropyl methylphosphonate	1445-75-6	50%	100%	NA	NC	8.00E-02	NC	NA	D	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS</i>			<i>IRIS</i>				
Dimethoate	60-51-5	50%	100%	NA	NC	2.00E-04	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS Medium</i>							
Dimethoxybenzidine, 3,3'-	119-90-4	NA	100%	NA	NC	NA	NC	B	NC	NA		NA	1.40E-02
			<i>RAGS-E</i>										<i>HEAST</i>
Dimethrin	70-38-2	50%	100%	NA	NC	3.00E-01	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>OPP</i>							

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Dimethylaniline, 2,4-	95-68-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-03 <i>IRIS</i>	NA	NA	C <i>HEAST</i>	NA	NC	7.50E-01 <i>HEAST</i>	NC
Dimethylaniline, N,N-	121-69-7	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.00E-03 <i>IRIS Low</i>	NA	NC	NA	NC	NA	NC
Dimethylbenzidine, 3,3'-	119-93-7	NA	100% <i>RAGS-E</i>	NA	NC	NA	NC	NA	NC	NA	NC	NA	9.20E+00 <i>HEAST</i>
Dimethylformamide, N,N-	68-12-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	3.00E-02 <i>IRIS Medium</i>	NC	1.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Dimethylphenol, 2,4-	105-67-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Dimethylphenol, 2,6-	576-26-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	6.00E-04 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Dimethylphenol, 3,4-	95-65-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-03 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Dimethylphthalate	131-11-3	100% <i>HSDB</i>	NC	NA	NC	1.00E+01 <i>HEAST-WD</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Dinitrobenzene, 1,2- (o)	528-29-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-04 <i>HEAST</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Dinitrobenzene, 1,3- (m)	99-65-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-04 <i>IRIS Low</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Dinitrobenzene, 1,4- (p)	100-25-4	NA	100% <i>RAGS-E</i>	NA	NC	NA	4.00E-04 <i>HEAST</i>	NA	NC	NA	NC	NA	NC
Dinitro-o-cresol, 4,6-	534-52-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.00E-04 <i>CEHT</i>	NA	NA	NA	NA	NA	NA
Dinitrophenol, 2,4-	51-28-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Dinitrotoluene, 2,4-	121-14-2	100% <i>HSDB</i>	NC	NA	NC	2.00E-03 <i>IRIS High</i>	NC	B2 <i>IRIS 94</i>	NC	NA	NC	6.80E-01 <i>IRIS</i>	NC

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Dinitrotoluene, 2,6-	606-20-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-03 <i>HEAST</i>	NC	B2	NC	NA	NC	6.80E-01 <i>IRIS</i>	NC
Di-n-octylphthalate	117-84-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Dinoseb	88-85-7	100% <i>HSDB</i>	NC	NA	NC	1.00E-03 <i>IRIS Low</i>	NC	D	NC	NA	NC	NA	NC
Dioxane, 1,4-	123-91-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	NA	NC	1.10E-02 <i>IRIS</i>	NC
Dioxins, as total 2,3,7,8-TCDD equivalents	1746-01-6	90%	NC	NA	NC	NA	NC	B2	NC	3.30E+01 <i>HEAST</i>	NC	1.50E+05 <i>HEAST</i>	NC
Diphenamid	957-51-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Diphenyl [see Biphenyl, 1,1-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Diphenylamine, N,N-	122-39-4	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.50E-02 <i>IRIS Medium</i>	NA	NC	NA	NC	NA	NC
Diphenylhydrazine, 1,2-	122-66-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	2.20E-04 <i>IRIS</i>	NC	8.00E-01 <i>IRIS</i>	NC
Diquat	85-00-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.20E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Disulfoton	298-04-4	94% <i>ATSDR</i>	NC	NA	NC	4.00E-05 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Diuron	330-54-1	90% <i>HSDB</i>	NC	NA	NC	2.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
EDB [see Dibromoethane, 1,2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
EDC [see Dichloroethane, 1,2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Endosulfan (alpha+beta+sulfate)	115-29-7	82% <i>ATSDR</i>	NC	NA	NC	6.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Endothall	145-73-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Endrin	72-20-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-04 <i>IRIS Medium</i>	NC <i>Medium</i>	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
EPEG [see Ethylphthalyl ethylglycolate]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Epichlorohydrin	106-89-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E-03 <i>HEAST Medium</i>	NC	2.00E-03 <i>HEAST</i>	NC	B2	NC	1.20E-06 <i>IRIS</i>	NC	9.90E-03 <i>IRIS</i>	NC
EPN [see Ethyl p-nitrophenyl phenylphosphorothioate]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
EPTC [see Ethyl dipropylthiocarbamate, S-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	64-17-5	NA	100% <i>RAGS-E</i>	NA	NC	NA	5.70E+01 <i>CEHT</i>	NA	NC	NA	NC	NA	NC
Ethion	563-12-2	100% <i>HSDB</i>	NC	NA	NC	5.00E-04 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Ethoprop	3194-48-	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-04 <i>OPP</i>	NC	D	NC	NA	NC	NA	NC
Ethoxyethanol acetate, 2-	111-15-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Ethoxyethanol, 2-	110-80-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-01 <i>IRIS Medium</i>	NC	4.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Ethyl acetate	141-78-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	9.00E-01 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Ethyl acrylate	140-88-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	NA	NC	4.80E-02 <i>HEAST</i>	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Ethyl chloride [or Chloroethane]	75-00-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E+01 <i>IRIS Medium</i>	NC	4.00E-01 <i>NCEA</i>	NC	D	NA	NA	NC	2.90E-03 <i>NCEA</i>	NC
Ethyl dipropylthiocarbamate, S- [or EPTC]	759-94-4	96% <i>HSDB</i>	NC	NA	NC	2.50E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Ethyl ether	60-29-7	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-01 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Ethyl methacrylate	97-63-2	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	9.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Ethyl p-nitrophenyl phenylphosphorothioate [or EPN]	2104-64-5	100% <i>HSDB</i>	NC	NA	NC	1.00E-05 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Ethylbenzene	100-41-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E+00 <i>IRIS Low</i>	NC	1.00E-01 <i>IRIS Low</i>	NC	D	NC	NA	NC	NA	NC
Ethylene diamine	107-15-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>HEAST</i>	NC	NA	D	NA	NC	NA	NC
Ethylene glycol	107-21-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E+00 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Ethylene oxide	75-21-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B1	NC	1.00E-04 <i>HEAST</i>	NC	1.02E+00 <i>HEAST</i>	NC
Ethylene thiourea [or ETU]	96-45-7	NA	100% <i>RAGS-E</i>	NA	NC	NA	8.00E-05 <i>IRIS Medium</i>	B	NC	NA	NC	NA	1.10E-01 <i>HEAST</i>
Ethylphthalyl ethylglycolate [or EPEG]	84-72-0	NA	100% <i>RAGS-E</i>	NA	NC	NA	3.00E+00 <i>IRIS Low</i>	NA	NC	NA	NC	NA	NC
ETU [see Ethylene thiourea]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Fenamiphos	2224-92-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-04 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Fensulfothion	115-90-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-04 <i>OPP</i>	NC	NA	NC	NA	NC	NA	NC

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Fenvalerate [see Pydrin]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Fluometuron	2164-17-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-02 <i>IRIS Low</i>	NC <i>Low</i>	NA	NC	NA	NC	NA	NC
Fluoranthene	206-44-0	50% <i>ATSDR</i>	NC	NA	NC	4.00E-02 <i>IRIS Low</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Fluorene	86-73-7	50% <i>ATSDR</i>	NC	NA	NC	4.00E-02 <i>IRIS Low</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Fluoride	7782-41-4	97% <i>ATSDR</i>	NC	NA	NC	6.00E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Fluoridone	9756-60-	NA	100% <i>RAGS-E</i>	NA	NC	NA	8.00E-02 <i>IRIS High</i>	NA	NC	NA	NC	NA	NC
Fonofos	944-22-9	82% <i>HSDB</i>	NC	NA	NC	2.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Formaldehyde	50-00-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-01 <i>IRIS Medium</i>	NC	B1 <i>IRIS</i>	NC	1.30E-05 <i>IRIS</i>	NC	NA	NC
Furan	110-00-9	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-03 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Furfural	98-01-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	5.00E-02 <i>HEAST</i>	NC	3.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Glycidaldehyde	765-34-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E-03 <i>HEAST</i>	NC	4.00E-04 <i>IRIS</i>	NC	NA	B2 <i>IRIS</i>	NA	NC	NA	NC
Glyphosate [or Roundup]	1071-83-6	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.00E-01 <i>IRIS High</i>	NA	D <i>IRIS</i>	NA	NC	NA	NC
Guthion [or Methyl azinphos]	86-50-0	100% <i>HSDB</i>	NC	NA	NC	1.50E-03 <i>OPP</i>	NC	NA	NC	NA	NC	NA	NC
Heptachlor	76-44-8	80% <i>ATSDR</i>	NC	NA	NC	5.00E-04 <i>IRIS Low</i>	NC	B2 <i>IRIS 94</i>	NC	1.30E-03 <i>IRIS</i>	NC	4.50E+00 <i>IRIS</i>	NC

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Heptachlor epoxide	1024-57-3	40% ATSDR	NC	NA	NC	1.30E-05 IRIS Low	NC	B2 IRIS 94	NC	2.60E-03 IRIS	NC	9.10E+00 IRIS	NC
Hexachloro-1,3-butadiene	87-68-3	100% ATSDR	NC	NA	NC	2.00E-04 HEAST	NC	C IRIS 94	NC	2.20E-05 IRIS	NC	7.80E-02 IRIS	NC
Hexachlorobenzene	118-74-1	80% ATSDR	NC	NA	NC	8.00E-04 IRIS Medium	NC	B2 IRIS 94	NC	4.60E-04 IRIS	NC	1.60E+00 IRIS	NC
Hexachlorocyclohexane, alpha- [or BHC, alpha-]	319-84-6	97% ATSDR	NC	NA	NC	NA	NC	B2 IRIS 94	NC	1.80E-03 IRIS	NC	6.30E+00 IRIS	NC
Hexachlorocyclohexane, beta- [BHC, beta-]	319-85-7	91% ATSDR	NC	NA	NC	NA	NC	C IRIS 94	NC	5.30E-04 IRIS	NC	1.80E+00 IRIS	NC
Hexachlorocyclohexane, delta- [or BHC, delta-]	319-86-8	92% ATSDR	NC	NA	NC	3.00E-04 Surrogate(d)	NC	D IRIS 94	NC	NA	NC	NA	NC
Hexachlorocyclohexane, gamma- [or Lindane or BHC, gamma-]	58-89-9	99% ATSDR	NC	NA	NC	3.00E-04 IRIS Medium	NC	B2-C IRIS 94	NC	NA	NC	1.30E+00 HEAST	NC
Hexachlorocyclopentadiene	77-47-4	90% HSDB	NC	7.00E-05 HEAST	2.00E-04 IRIS Medium	7.00E-03 IRIS Low	6.00E-03 IRIS Low	D IRIS 94	E IRIS	NA	NC	NA	NC
Hexachloroethane	67-72-1	80% Region IV	100% RAGS-E	NA	NC	1.00E-03 IRIS Medium	NC	C IRIS 94	NC	4.00E-06 IRIS	NC	1.40E-02 IRIS	NC
Hexachlorophene	70-30-4	NA	100% RAGS-E	NA	NC	NA	3.00E-04 IRIS Medium	NA	NC	NA	NC	NA	NC
Hexahydro-1,3,5-trinitro-1,3,5-triazine [or RDX]	121-82-4	50% Region IV	100% RAGS-E	NA	NC	3.00E-03 IRIS High	NC	C IRIS	NC	NA	NC	1.10E-01 IRIS	NC
Hexane, n-	110-54-3	80% Region IV	100% RAGS-E	2.00E-01 IRIS Medium	NC	6.00E-02 HEAST	NC	NA	NC	NA	NC	NA	NC
Hexanone, 2- [or Methyl butyl ketone]	591-78-6	98% ATSDR	NC	1.40E-03 NCEA	NA	4.00E-02 NCEA	NC	NA	NC	NA	NC	NA	NC
Hexazinone	1235-04-	50% Region IV	100% RAGS-E	NA	NC	3.30E-02 IRIS Medium	NC	NA	NC	NA	NC	NA	NC

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Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Hydroquinone	123-31-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Indeno(1,2,3-cd)pyrene	193-39-5	50% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2 <i>OHEA</i>	NC	NA	NC	7.30E-01 <i>NCEA</i>	NC
Iron	7439-89-6	9% <i>Casarett 4th</i>	NC	NA	NC	3.00E-01 <i>NCEA</i>	6.00E-01 <i>NCEA</i>	NA	NC	NA	NC	NA	NC
Isobutyl alcohol	78-83-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-01 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Isophorone	78-59-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-01 <i>IRIS Low</i>	NC	C	NC	NA	NC	9.50E-04 <i>IRIS</i>	NC
Isopropyl benzene [see Cumene]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Karate [see Cyhalothrin, lambda]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Kelthane [see Dicofo]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	NA	NC	NA	NC	NA	NC	B2 <i>IRIS 94</i>	NC	NA	NC	NA	NC
Limonene	138-86-3	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.00E-01 <i>CEHT</i>	NA	NA	NA	NA	NA	NA
Lindane [see Hexachlorocyclohexane, gamma-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Linuron	330-55-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-03 <i>IRIS High</i>	NC	C <i>IRIS 94</i>	NC	NA	NC	NA	NC
Lithium	7439-93-2	NA	100% <i>RAGS-E</i>	NA	NC	NA	2.00E-02 <i>NCEA</i>	NA	NA	NA	NA	NA	NA
Malathion	121-75-5	47% <i>HSDB</i>	NC	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Maleic anhydride	108-31-6	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.00E-01 <i>IRIS Medium</i>	NA	NA	NA	NA	NA	NA
Maleic hydrazide	123-33-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-01 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Malonitrile	109-77-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-05 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Maneb	2427-38-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Manganese	7439-96-5	4% <i>ATSDR</i>	NC	5.00E-05 <i>IRIS Medium</i>	NC	2.30E-02 <i>IRIS (modified Medium)</i>	4.70E-02 <i>IRIS02 Modified Medium</i>	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
MCPA [see Methyl-4-chlorophenoxy acetic acid, 2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
MCPP [see Propionic acid, 2-(2-methyl-4-chlorophenoxy)]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	7439-97-6	10% <i>ATSDR</i>	NC	3.00E-04 <i>IRIS Medium</i>	NC	3.00E-04 <i>HEAST</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Mercury, methyl- [see Methylmercury]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Merphos	150-50-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-05 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Merphos oxide	78-48-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-05 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Methacrylonitrile	126-98-7	80% <i>Region IV</i>	100% <i>RAGS-E</i>	7.00E-04 <i>HEAST</i>	NC	1.00E-04 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Methamidophos	0265-92-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-05 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Methanol	67-56-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-01 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Methidathion	950-37-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-03 <i>IRIS Medium</i>	NC	NA	C <i>IRIS</i>	NA	NC	NA	NC
Methomyl	6752-77-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Methoxy-5-nitroaniline, 2-	99-59-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2 <i>HEAST</i>	NC	NA	NC	4.60E-02 <i>HEAST</i>	NC
Methoxychlor	72-43-5	90% <i>ATSDR</i>	NC	NA	NC	5.00E-03 <i>IRIS Low</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Methyl acetate	79-20-9	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E+00 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Methyl acrylate	96-33-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>HEAST</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Methyl azinphos [see Guthion]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Methyl bromide [see Bromomethane]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Methyl butyl ketone [see Hexanone, 2-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Methyl chloride [or Chloromethane]	74-87-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	9.00E-02 <i>IRIS Medium</i>	NA	NC	C <i>IRIS 94</i>	D <i>IRIS</i>	1.80E-06 <i>HEAST</i>	NA	1.30E-02 <i>HEAST</i>	NC
Methyl chloroform [see Trichloroethane, 1,1,1-]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone [or Butanone, 2-]	78-93-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	1.00E+00 <i>IRIS Low</i>	5.00E+00 <i>IRIS Medium</i>	6.00E-01 <i>IRIS Low</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Methyl isobutyl ketone [or MIBK]	108-10-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	8.00E-02 <i>HEAST</i>	3.00E+00 <i>IRIS Medium</i>	8.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Methyl methacrylate	80-62-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	7.00E-01 <i>IRIS</i>	NC	1.40E+00 <i>IRIS</i>	NC	NA	E <i>IRIS</i>	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Methyl parathion [or Parathion, methyl]	298-00-0	80% <i>ATSDR</i>	NC	NA	NC	2.50E-04 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Methyl styrene (mixed)	5013-15-	80% <i>Region IV</i>	100% <i>RAGS-E</i>	4.00E-02 <i>HEAST</i>	NC	6.00E-03 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Methyl styrene, alpha	98-83-9	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	7.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Methyl tert-butyl ether [or MTBE]	1634-04-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	3.00E+00 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC	NA	NC
Methyl-4-chlorophenoxy acetic acid, 2- [or MCPA]	94-74-6	50% <i>Reg IV</i>	93% <i>HSDB</i>	NA	NC	5.00E-04 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Methyl-4-chlorophenoxy acetic acid, 2- [or MCPA]	94-74-6	93% <i>HSDB</i>	NC	NA	NC	5.00E-04 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Methylaniline, 2-	95-53-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2 <i>HEAST</i>	NC	NA	NC	2.40E-01 <i>HEAST</i>	NC
Methylene bis(2-chloroaniline), 4,4-	101-14-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	7.00E-04 <i>HEAST</i>	NC	B2 <i>HEAST</i>	NC	3.70E-05 <i>HEAST</i>	NC	1.30E-01 <i>HEAST</i>	NC
Methylene bromide	74-95-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Methylene chloride	75-09-2	100% <i>ATSDR</i>	NC	3.00E+00 <i>HEAST</i>	NC	6.00E-02 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	4.70E-07 <i>IRIS</i>	NC	7.50E-03 <i>IRIS</i>	NC
Methylene diphenyl diisocyanate	101-68-8	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	D <i>IRIS</i>	NA	NA	NA	NA
Methylmercury [or Mercury, methyl]	2967-92-1	9500% <i>ATSDR</i>	95% <i>ATSDR</i>	NA	NC	1.00E-04 <i>IRIS</i>	NC	NA	C <i>IRIS</i>	NA	NC	NA	NC
Methylmercury [or Mercury, methyl]	2967-92-1	95% <i>ATSDR</i>	NC	NA	NC	1.00E-04 <i>IRIS Medium</i>	NC	NA	C <i>IRIS</i>	NA	NC	NA	NC
Methylnaphthalene, 1-	90-12-0	80% <i>Region IV</i>	100% <i>RAGS-E</i>	3.00E-03 <i>Surrogate (e)</i>	NA	2.00E-02 <i>Surrogate(e)</i>	4.00E-03 <i>Surrogate (e)</i>	NA		NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Methylnaphthalene, 2-	91-57-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	3.00E-03 <i>Surrogate (e)</i>	NA	2.00E-02 <i>Surrogate (e)</i>	4.00E-03 <i>IRIS Low</i>	NA		NA	NC	NA	NC
Methylphenol, 2- [or Cresol, o-]	95-48-7	75% <i>ATSDR</i>	NC	NA	NC	5.00E-02 <i>IRIS Medium</i>	NC	C	NC	NA	NC	NA	NC
Methylphenol, 3- [or Cresol, m-]	108-39-4	75% <i>ATSDR</i>	NC	NA	NC	5.00E-02 <i>IRIS Medium</i>	NC	C	NC	NA	NC	NA	NC
Methylphenol, 4- [or Cresol, p-]	106-44-5	75% <i>ATSDR</i>	NC	NA	NC	5.00E-03 <i>HEAST</i>	NC	C	NC	NA	NC	NA	NC
Metolachlor	1218-45-	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.50E-01 <i>IRIS High</i>	NC	C	NC	NA	NC	NA	NC
Metribuzin	1087-64-	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-02 <i>IRIS Medium</i>	NC	D	NC	NA	NC	NA	NC
Metsulfuron, methyl [see Ally]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Mevinphos	7786-34-7	100% <i>HSDB</i>	NC	NA	NC	2.50E-04 <i>OPP</i>	NC	NA	NC	NA	NC	NA	NC
MIBK [see Methyl isobutyl ketone]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Molinate	2212-67-1	87% <i>HSDB</i>	NC	NA	NC	2.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Molybdenum	7439-98-7	45% <i>HSDB</i>	NC	NA	NC	5.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
MTBE [see Methyl tert-butyl ether]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Naled	300-76-5	100% <i>HSDB</i>	NC	NA	NC	2.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Naphthalene	91-20-3	100% <i>ATSDR</i>	NC	3.00E-03 <i>IRIS Medium</i>	NC	2.00E-02 <i>IRIS Low</i>	NC	D	C	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Nickel	7440-02-C	5% <i>ATSDR</i>	NC	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	A	NC	NA	NC	NA	NC
Nitrate	4797-55-i	20% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.60E+00 <i>IRIS High</i>	NC	D	NA	NA	NC	NA	NC
Nitrite	4797-65-i	20% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Nitroaniline, m-	99-09-2	NA	100% <i>RAGS-E</i>	NA	NC	NA	3.00E-04 <i>NCEA</i>	NA	C <i>NCEA</i>	NA	NC	NA	2.10E-02 <i>NCEA</i>
Nitroaniline, o-	88-74-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-04 <i>HEAST</i>	NC	NA	3.00E-03 <i>NCEA</i>	NA	NC	NA	NC	NA	NC
Nitroaniline, p-	100-01-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-04 <i>Surrogate (y)</i>	NC	NA	3.00E-03 <i>NCEA</i>	NA	C <i>NCEA</i>	NA	NC	NA	2.10E-02 <i>NCEA</i>
Nitrobenzene	98-95-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-03 <i>HEAST</i>	NC	5.00E-04 <i>IRIS Low</i>	NC	B2	D <i>IRIS</i>	NA	NC	NA	NC
Nitroglycerin	55-63-0	10% <i>ProfJudge</i>	NC	NA	NC	7.00E-04 <i>CEHT</i>	NC	NA	NC	NA	NC	1.40E-02 <i>NCEA</i>	NC
Nitrophenol, 4-	100-02-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	8.00E-03 <i>NCEA</i>	NC	D	NC	NA	NC	NA	NC
Nitroso-di-ethylamine, N-	55-18-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC <i>IRIS</i>	4.30E-02 <i>IRIS</i>	NC	1.50E+02 <i>IRIS</i>	NC
Nitroso-dimethylamine, N-	62-75-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC <i>IRIS 94</i>	1.40E-02 <i>IRIS</i>	NC	5.10E+01 <i>IRIS</i>	NC
Nitroso-di-n-butylamine, N-	924-16-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC <i>IRIS</i>	1.60E-03 <i>IRIS</i>	NC	5.40E+00 <i>IRIS</i>	NC
Nitroso-di-n-propylamine, N-	621-64-7	48% <i>ATSDR</i>	NC	NA	NC	NA	NC	B2	NC <i>IRIS 94</i>	NA	NC	7.00E+00 <i>IRIS</i>	NC
Nitroso-diphenylamine, N-	86-30-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC <i>IRIS 94</i>	NA	NC	4.90E-03 <i>IRIS</i>	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Nitroso-N-methylethylamine, N-	0595-95-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2 <i>IRIS</i>	NC	NA	NC	2.20E+01 <i>IRIS</i>	NC
Nitrotoluene, m-	99-08-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>HEAST</i>	2.00E-02 <i>NCEA</i>	NA	NC	NA	NC	NA	NC
Nitrotoluene, o-	88-72-2	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Nitrotoluene, p-	99-99-0	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Nonylphenol	5154-52-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.20E-03 <i>Other1</i>	NA	NA	NA	NA	NA	NA
Octamethylpyrophosphoramidate	152-16-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-03 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Oxamyl	3135-22-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Paraquat	1910-42-5	20% <i>HSDB</i>	NC	NA	NC	4.50E-03 <i>IRIS High</i>	NC <i>High</i>	C <i>IRIS 94</i>	NC	NA	NC	NA	NC
Parathion	56-38-2	100% <i>HSDB</i>	NC	NA	NC	6.00E-03 <i>HEAST</i>	NC	C <i>IRIS 94</i>	NC	NA	NC	NA	NC
Parathion, methyl [see Methyl parathion]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
PCBs [or Aroclor mixture]	1336-36-3	85% <i>ATSDR</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-05 <i>IRIS Medium</i>	NC	B2 <i>IRIS 94</i>	NC	1.00E-04 <i>IRIS</i>	NC	2.00E+00 <i>IRIS</i>	NC
PCE [see Tetrachloroethene]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Pebulate	1114-71-2	95% <i>HSDB</i>	NC	NA	NC	5.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Pendimethalin	0487-42-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Pentachlorobenzene	608-93-5	50%	100%	NA	NC	8.00E-04	NC	NA	D	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS Low</i>			<i>IRIS</i>				
Pentachloronitrobenzene	82-68-8	50%	100%	NA	NC	3.00E-03	NC	C	NC	NA	NC	2.60E-01	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS Medium</i>		<i>IRIS/HEAST</i>				<i>HEAST</i>	
Pentachlorophenol	87-86-5	50%	NC	NA	NC	3.00E-02	NC	B2	NC	NA	NC	1.20E-01	NC
		<i>ATSDR</i>				<i>IRIS Medium</i>		<i>IRIS 94</i>				<i>IRIS</i>	
Permethrin	2645-53-	50%	100%	NA	NC	5.00E-02	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS High</i>							
Phenanthrene	85-01-8	50%	NC	NA	NC	3.00E-02	NC	D	NC	NA	NC	NA	NC
		<i>ATSDR</i>				<i>Surogate (a)</i>		<i>IRIS 94</i>					
Phenmedipham [or Betanal]	3684-63-	50%	100%	NA	NC	2.50E-01	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS</i>							
Phenol	108-95-2	100%	NC	NA	NC	6.00E-01	3.00E-01	D	NC	NA	NC	NA	NC
		<i>ATSDR</i>				<i>IRIS Low</i>	<i>IRIS Medium/Higt</i>	<i>IRIS 94</i>					
Phenylenediamine, m-	108-45-2	50%	100%	NA	NC	6.00E-03	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS</i>							
Phenylenediamine, o-	95-54-5	50%	100%	NA	NC	NA	NC	B2	NC	NA	NC	4.70E-02	NC
		<i>Region IV</i>	<i>RAGS-E</i>					<i>HEAST</i>				<i>HEAST</i>	
Phenylenediamine, p-	106-50-3	50%	100%	NA	NC	1.90E-01	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>HEAST</i>							
Phenylphenol, 2-	90-43-7	50%	100%	NA	NC	NA	NC	C	NC	NA	NC	1.94E-03	1.90E-03
		<i>Region IV</i>	<i>RAGS-E</i>					<i>HEAST</i>				<i>HEAST</i>	<i>HEAST</i>
Phorate	298-02-2	100%	NC	NA	NC	2.00E-04	NC	NA	NC	NA	NC	NA	NC
		<i>HSDB</i>				<i>HEAST</i>							
Phosmet	732-11-6	50%	100%	NA	NC	2.00E-02	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS High</i>							
Phthalic acid, p-	100-21-0	80%	100%	NA	NC	1.00E+00	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>HEAST</i>							

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Phthalic anhydride	85-44-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	1.20E-01 <i>HEAST</i>	NC	2.00E+00 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Polychlorinated dibenzo-p-dioxins [see Dioxins]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Prometon	1610-18-C	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.50E-02 <i>IRIS Low</i>	NC	D	NA	NA	NC	NA	NC
Prometryn	7287-19-€	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	4.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Propachlor	1918-16-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-02 <i>IRIS Low</i>	NC	D	NC	NA	NC	NA	NC
Propanil	709-98-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Propazine	139-40-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E-02 <i>IRIS Medium</i>	NC	NA	C	NA	NC	NA	NC
Propionic acid, 2-(2-methyl-4-chlorophenoxy) [or MCPPE]	93-65-2	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.00E-03 <i>IRIS Medium</i>	NA	NA	NA	NA	NA	NA
Propoxur [see Baygon]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Propylene glycol	57-55-6	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.00E+01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Propylene glycol monomethyl ether	107-98-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E+00 <i>IRIS</i>	NC	7.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Propylene oxide	75-56-9	80% <i>Region IV</i>	100% <i>RAGS-E</i>	3.00E-02 <i>IRIS Medium</i>	NC	NA	NC	B2	NC	3.70E-06 <i>IRIS</i>	NC	2.40E-01 <i>IRIS</i>	NC
Pydrin [or Fenvalerate]	1630-58-	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Pyrene	129-00-0	50% <i>ATSDR</i>	NC	NA	NC	3.00E-02 <i>IRIS Low</i>	NC	D	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Pyridine	110-86-1	67% <i>ATSDR</i>	NC	NA	NC	1.00E-03 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Quinoline	91-22-5	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	B2 <i>IRIS</i>	NA	NA	NA	3.00E+00 <i>IRIS</i>
RDX [see Hexahydro-1,3,5-trinitro-1,3,5-triazine]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Resmethrin	0453-86-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS High</i>	NC	NA	NC	NA	NC	NA	NC
Ronnel	299-84-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Roundup [see Glyphosate]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	97% <i>ATSDR</i>	NC	NA	NC	5.00E-03 <i>IRIS High</i>	NC	NA	D <i>IRIS</i>	NA	NC	NA	NC
Sevin [see Carbaryl]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	20% <i>Region IV</i>	4% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS Low</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Silvex [see Trichlorophenoxy propionic acid]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Simazine	122-34-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS High</i>	NC	C	NC	NA	NC	1.20E-01 <i>HEAST</i>	NC
Strontium	7440-24-6	20% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	6.00E-01 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Strychnine	57-24-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-04 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Styrene	100-42-5	100% <i>ATSDR</i>	NC	1.00E+00 <i>IRIS Medium</i>	NC	2.00E-01 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
TCDD, 2,3,7,8- [see Dioxins, as total 2,3,7,8-TCDD equivalents]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
TCE [see Trichloroethene]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Temik [see Aldicarb]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Terbacil	5902-51-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-02 <i>IRIS Medium</i>	NC <i>Medium</i>	NA	NC	NA	NC	NA	NC
Terbufos	3071-79-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	2.50E-05 <i>HEAST</i>	NC	D <i>HEAST</i>	NC	NA	NC	NA	NC
Terbutryn	886-50-0	NA	100% <i>RAGS-E</i>	NA	NC	NA	1.00E-03 <i>IRIS High</i>	NA	NC	NA		NA	NC
Tetrachlorobenzene, 1,2,4,5-	95-94-3	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-04 <i>IRIS Low</i>	NC <i>Low</i>	NA	NC	NA	NC	NA	NC
Tetrachloroethane, 1,1,1,2-	630-20-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS Low</i>	NC	C <i>IRIS94</i>	NC	7.40E-06 <i>IRIS</i>	NC	2.60E-02 <i>IRIS</i>	NC
Tetrachloroethane, 1,1,2,2-	79-34-5	70% <i>ATSDR</i>	NC	NA	NC	NA	6.00E-02 <i>NCEA</i>	C <i>IRIS 94</i>	NC	5.80E-05 <i>IRIS</i>	NC	2.00E-01 <i>IRIS</i>	NC
Tetrachloroethene [or PCE]	127-18-4	100% <i>ATSDR</i>	NC	NA	NC	1.00E-02 <i>IRIS Medium</i>	NC	C-B2 <i>ECAO 94</i>	NA	NA	NC	5.20E-02 <i>NCEA</i>	NC
Tetrachlorophenol, 2,3,4,6-	58-90-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Tetraethyl dithiopyrophosphate	3689-24-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-04 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Thallium	7440-28-0	10000% <i>ATSDR</i>	100% <i>RAGS-E</i>	NA	NC	8.00E-05 <i>IRIS Low</i>	7.00E-05 <i>IRIS Low</i>	NA	NC	NA	NC	NA	NC
Thiobencarb	8249-77-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Thiram	137-26-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Tin	7440-31-5	3% <i>ATSDR</i>	NC	NA	NC	6.00E-01 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Toluene	108-88-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	4.00E-01 <i>IRIS Medium</i>	1.00E+01 <i>IRIS Medium</i>	2.00E-01 <i>IRIS Medium</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Toluene diisocyanate, 2,4/2,6- mixture	6471-62-1	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Toluidine, p-	106-49-0	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	C <i>HEAST</i>	NC	NA	NC	1.90E-01 <i>HEAST</i>	NC
Toxaphene	3001-35-2	63% <i>HSDB</i>	NC	NA	NC	2.50E-04 <i>OPP</i>	NC	B2 <i>IRIS 94</i>	NC	3.20E-04 <i>IRIS</i>	NC	1.10E+00 <i>IRIS</i>	NC
Triallate	2303-17-5	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-02 <i>IRIS High</i>	NC <i>High</i>	NA	NC	NA	NC	NA	NC
Tributyltin oxide	56-35-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-04 <i>IRIS High</i>	NC <i>High</i>	NA	D <i>IRIS</i>	NA	NC	NA	NC
Trichloro-1,2,2-trifluoroethane, 1,1,2- [or CFC 113]	76-13-1	80% <i>Region IV</i>	100% <i>RAGS-E</i>	3.00E+01 <i>HEAST</i>	NC	3.00E+01 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Trichloroacetic acid	76-03-9	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.30E-02 <i>HAL</i>	NC	C <i>HAL</i>	NC	NA	NC	NA	NC
Trichlorobenzene, 1,2,3-	87-61-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-01 <i>Surrogate (f)</i>	NC	1.00E-02 <i>Surrogate (f)</i>	NC	NA	NC	NA	NC	NA	NC
Trichlorobenzene, 1,2,4-	120-82-1	90% <i>HSDB</i>	NC	2.00E-01 <i>HEAST</i>	NC	1.00E-02 <i>IRIS Medium</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC
Trichlorobenzene, 1,3,5-	108-70-3	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.70E-03 <i>HAL</i>	NC	D <i>HAL</i>	NC	NA	NC	NA	NC
Trichloroethane, 1,1,1- [or Methyl chloroform]	71-55-6	100% <i>HSDB</i>	NC	NA	NC	2.00E-02 <i>NCEA</i>	2.80E-01 <i>NCEA</i>	D <i>IRIS 94</i>	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Trichloroethane, 1,1,2-	79-00-5	81% <i>ATSDR</i>	NC	NA	NC	4.00E-03 <i>IRIS Medium</i>	NC	C	NC	1.60E-05 <i>IRIS</i>	NC	5.70E-02 <i>IRIS</i>	NC
Trichloroethene [or TCE]	79-01-6	95% <i>ATSDR</i>	NC	NA	NC	6.00E-03 <i>NCEA</i>	NC	B2	NC	NA	NC	1.10E-02 <i>NCEA</i>	NC
Trichlorofluoromethane	75-69-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	7.00E-01 <i>HEAST</i>	NC	3.00E-01 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Trichlorophenol, 2,4,5-	95-95-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-01 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Trichlorophenol, 2,4,6-	88-06-2	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	3.10E-06 <i>IRIS</i>	NC	1.10E-02 <i>IRIS</i>	NC
Trichlorophenoxy acetic acid, 2,4,5-	93-76-5	95% <i>HSDB</i>	NC	NA	NC	1.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Trichlorophenoxy propionic acid, 2, (2, 4, 5-) [or Silvex]	93-72-1	100% <i>HSDB</i>	NC	NA	NC	8.00E-03 <i>IRIS Medium</i>	NC	D	NC	NA	NC	NA	NC
Trichloropropane, 1,1,2-	598-77-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>IRIS</i>	NC	NA	NC	NA	NC	NA	NC
Trichloropropane, 1,2,3-	96-18-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	6.00E-03 <i>IRIS Low</i>	NC	B2	NC	NA	NC	7.00E+00 <i>IRIS</i>	2.00E+00 <i>NCEA</i>
Trichloropropene, 1,2,3-	96-19-5	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-03 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Triethylamine	121-44-8	NA	100% <i>RAGS-E</i>	NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
Trifluralin	1582-09-8	20% <i>HSDB</i>	NC	NA	NC	7.50E-03 <i>IRIS High</i>	NC	C	NC	NA	NC	7.70E-03 <i>IRIS</i>	NC
Trimethyl phosphate	512-56-1	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	NA	NC	B2	NC	NA	NC	3.70E-02 <i>HEAST</i>	NC
Trimethylbenzene, 1,2,3-	526-73-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>Surogate (g)</i>	NC	NA	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Trimethylbenzene, 1,2,4-	95-63-6	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>NCEA</i>	NC	NA	NC	NA	NC	NA	NC
Trimethylbenzene, 1,3,5-	108-67-8	80% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-02 <i>NCEA</i>	NC	NA	NC	NA	NC	NA	NC
Trinitrobenzene, 1,3,5-	99-35-4	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	3.00E-02 <i>IRIS Medium</i>	NC	NA	NC	NA	NC	NA	NC
Trinitrophenylmethylnitramine	479-45-8	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-02 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Trinitrotoluene, 2,4,6-	118-96-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	5.00E-04 <i>IRIS Medium</i>	NC	C <i>IRIS</i>	NC	NA	NC	3.00E-02 <i>IRIS</i>	NC
Trithion [see Carbophenothion]		NA		NA	NC	NA	NA	NA	NA	NA	NA	NA	NA
TRPH	NOCAS	80% <i>ATSDR</i>	500% <i>ATSDR</i>	2.00E-01 <i>TPHCWG</i>	NC	4.00E-02 <i>TPHCWG</i>	NC	NA	NC	NA	NC	NA	NC
Uranium, soluble salts	7440-61-1	0% <i>ATSDR</i>	NC	NA	NC	3.00E-03 <i>NCEA</i>	NC	NA	NC	NA	NC	NA	NC
Vanadium	7440-62-2	3% <i>ATSDR</i>	NC	NA	NC	7.00E-03 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Vernam	1929-77-7	50% <i>Region IV</i>	100% <i>RAGS-E</i>	NA	NC	1.00E-03 <i>IRIS Low</i>	NC	NA	NC	NA	NC	NA	NC
Vinyl acetate	108-05-4	80% <i>Region IV</i>	100% <i>RAGS-E</i>	2.00E-01 <i>IRIS High</i>	NC	1.00E+00 <i>HEAST</i>	NC	NA	NC	NA	NC	NA	NC
Vinyl chloride	75-01-4	88% <i>ATSDR</i>	NC	NA	1.00E-01 <i>IRIS Medium</i>	NA	3.00E-03 <i>IRIS Medium</i>	A <i>IRIS 94</i>	NC	8.40E-05 <i>HEAST</i>	4.40E-06 <i>IRIS</i>	1.90E+00 <i>HEAST</i>	7.20E-01 <i>IRIS</i>
Xylenes, total	1330-20-7	90% <i>ATSDR</i>	NC	NA	1.00E-01 <i>IRIS Medium</i>	2.00E+00 <i>IRIS Medium</i>	2.00E-01 <i>IRIS Medium</i>	D	NC	NA	NC	NA	NC
Zinc	7440-66-6	25% <i>ATSDR</i>	NC	NA	NC	3.00E-01 <i>IRIS Medium</i>	NC	D <i>IRIS 94</i>	NC	NA	NC	NA	NC

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005
Zinc phosphide	1314-84-7	20%	100%	NA	NC	3.00E-04	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS Low</i>	<i>Low</i>						
Zineb	2122-67-	50%	100%	NA	NC	5.00E-02	NC	NA	NC	NA	NC	NA	NC
		<i>Region IV</i>	<i>RAGS-E</i>			<i>IRIS Medium</i>							

Comparison of Toxicity Values Used in May 26, 1999 Version and April 17, 2005 Version

Contaminants	CAS	GI Absorption		RfC (mg/m ³)		RfDo (mg/kg-day)		Cancer Class		IUR 1/(ug/m ³)		CSFo 1/(mg/kg-day)	
		1999	2005	1999	2005	1999	2005	1999	2005	1999	2005	1999	2005

NA = Toxicity value not available

NC = Value has not changed from May 26, 1999 Rule version

extrapolated = Extrapolated from a reference dose for another route of administration

extrapolated* = Extrapolated from an inhalation reference concentration

"Low", "Medium", and "High" are taken from IRIS and are qualitative descriptors of the USEPA's confidence in the reference doses contained in IRIS.

Reference sources for toxicity data:

IRIS04: USEPA's Integrated Risk Information System as of January 2004

IRIS03: USEPA's Integrated Risk Information System as of June 2003

IRIS02: USEPA's Integrated Risk Information System as of December 2002

IRIS02 Modified: Oral RfD for manganese modified in accordance with guidance from IRIS regarding non-dietary exposures

HEAST: USEPA's 1997 Health Effects Assessment Summary Tables

NCEA: USEPA's National Center for Environmental Assessment

HAL: USEPA's 2002 Edition of the Drinking Water Standards and Health Advisories

NAS: Oral RfD for iron equal to upper intake limit developed by the National Academy of Sciences in its report 'Dietary Reference Intakes for Vitamin A, Vitamin K, Arsenic, Boron, Chromium, Copper, Iodine, Iron, Manganese, Molybdenum, Nickel, Silicon, Vanadium, and Zinc' 2001

OPP: USEPA's Office of Pesticide Programs Reference Dose Tracking Report

HEAST-WD: Value withdrawn from Health Effects Assessment Summary Tables

Surrogate (a): Surrogate RfD based on other non-carcinogenic PAH (pyrene)

Surrogate (b): Surrogate RfD based on oral RfD for 2-chlorophenol

Surrogate (c): Surrogate RfD based oral RfD for 2,4-dichlorophenol

Surrogate (d): Surrogate RfD based on oral RfD for HCH-gamma (lindane)

Surrogate (e): Surrogate RfD based on other non-carcinogenic PAH (naphthalene)

Surrogate (f): Surrogate RfC based on RfC for nitroaniline,o-

Surrogate (g): Surrogate RfD based on oral RfD for 1,2,4-trichlorobenzene

Surrogate (h): Surrogate RfD based on oral RfD for 1,2,4-trimethylbenzene