

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007). Revisions since 6/2/05 are shown in red. AEGL = Acute exposure guideline levels for mild effects (AEGL-1) and moderate effects (AEGL-2) for 1- and 8-hour exposures. Superscripts indicate the AEGL's status: f = final, i=interim, and p=proposed. ERPG = US DOE Emergency Removal Program guidelines for mild or transient effects (ERPG-1) and irreversible or serious effects (ERPG-2) for 1-hour exposures. MRL = ATSDR minimum risk levels for no adverse effects for 1 to 14-day exposures. REL = California EPA reference exposure level for no adverse effects. Most, but not all, RELs are for 1-hour exposures. IDLH/10 = One-tenth of levels determined by NIOSH to be imminently dangerous to life and health, approximately comparable to mild effects levels for 1-hour exposures. TEEL = US DOE Temporary emergency exposure limits for no effects (TEEL-0) and mild, transient effects (TEEL-1) for 1-hour exposures. TEELs are derived according to a tiered, formula-like methodology, and do not undergo peer review. They are not recommended as the basis for regulatory decision-making, and are shown here only to inform situations where acute values from other sources are not available.

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007)			AEGL-1 (1-h)	AEGL-1 (8-h)	AEGL-2 (1-h)	AEGL-2 (8-h)	ERPG-1	ERPG-2	MRL	REL	IDLH/10	TEEL-0	TEEL-1
CHEMICAL NAME	CAS NO.	HAP NO.	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Acetaldehyde	75-07-0	1	81 ⁱ	81 ⁱ	490 ⁱ	200 ⁱ	81	490			360		
Acetamide	60-35-5	2										25	75
Acetonitrile	75-05-8	3	22 ⁱ	22 ⁱ	540 ⁱ	140 ⁱ					84		
Acetophenone	98-86-2	4										10	30
2-Acetylaminofluorene	53-96-3	5										0.25	0.75
Acrolein	107-02-8	6	0.069 ⁱ	0.069 ⁱ	0.23 ⁱ	0.23 ⁱ	0.069	0.23	0.0069	0.00019	0.46		
Acrylamide	79-06-1	7									6		
Acrylic acid	79-10-7	8	4.4 ⁱ	4.4 ⁱ	140 ⁱ	41 ⁱ	4.4	140		6			
Acrylonitrile	107-13-1	9	10 ^p	10 ^p	130 ^p	19 ^p	22	77	0.22		19		
Allyl chloride	107-05-1	10					9.4	130			78		
4-Aminobiphenyl	92-67-1	11										0.5	1.5
Aniline	62-53-3	12	30 ^f	3.8 ^f	46 ^f	5.7 ^f					38		
Anisidine	90-04-0	13									5		
Antimony compounds	7440-36-0	173									5		
Antimony pentafluoride	7783-70-2	173										0.75	0.75
Antimony potassium tartrate	304-61-0	173										1.2	4
Antimony trihydride	7803-52-3	173										0.51	0.51
Antimony trioxide	1309-64-4	173										0.6	1.5
Arsenic chloride	7784-34-1	174										0.19	0.56
Arsenic compounds	7440-38-2	174								0.00019	0.5		
Arsenic oxide	1327-53-3	174		^p	3 ^p	1.2 ^p							
Arsenic pentoxide	1303-28-2	174								0.00019			
Arsine	7784-42-1	174		^f	0.54 ^f	0.064 ^f		0.54		0.16	0.96		
Asbestos	1332-21-4	999										0.005	0.5
Benzene	71-43-2	15	170 ⁱ	29 ⁱ	2600 ⁱ	640 ⁱ	170	2600	0.029	1.3	160		
Benzidine	92-87-5	16										0.15	0.5
Benzotrichloride	98-07-7	17										0.1	0.1
Benzyl chloride	100-44-7	18					5.2	52		0.24	5.2		
Beryllium chloride	7787-47-5	175										0.015	0.04
Beryllium compounds	7440-41-7	175						0.025			0.4		
Beryllium fluoride	7787-49-7	175										0.01	0.025
Beryllium nitrate	13597-99-4	175										0.03	0.075
Beryllium oxide	1304-56-9	175										0.005	
Biphenyl	92-52-4	19		^p	61 ^p	28 ^p							
Bis(2-ethylhexyl)phthalate	117-81-7	20										5	10
Bis(chloromethyl)ether	542-88-1	21		^p	0.21 ^p	0.094 ^p			0.47				
Bromoform	75-25-2	22									880		
1,3-Butadiene	106-99-0	23	1500 ⁱ	1500 ⁱ	12000 ⁱ	6000 ⁱ	1500	12000			440		
Cadmium compounds	7440-43-9	176									0.9		
Cadmium oxide	1306-19-0	176										0.005	0.035
Cadmium stearate	2223-93-0	176										0.03	0.15
Calcium cyanamide	156-62-7	24										0.5	1.5

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007). *Revisions since 6/2/05 are shown in red.* AEGL = Acute exposure guideline levels for mild effects (AEGL-1) and moderate effects (AEGL-2) for 1- and 8-hour exposures. Superscripts indicate the AEGL's status: f = final, i=interim, and p=proposed. ERPG = US DOE Emergency Removal Program guidelines for mild or transient effects (ERPG-1) and irreversible or serious effects (ERPG-2) for 1-hour exposures. MRL = ATSDR minimum risk levels for no adverse effects for 1 to 14-day exposures. REL = California EPA reference exposure level for no adverse effects. Most, but not all, RELs are for 1-hour exposures. IDLH/10 = One-tenth of levels determined by NIOSH to be imminently dangerous to life and health, approximately comparable to mild effects levels for 1-hour exposures. TEEL = US DOE Temporary emergency exposure limits for no effects (TEEL-0) and mild, transient effects (TEEL-1) for 1-hour exposures. TEELs are derived according to a tiered, formula-like methodology, and do not undergo peer review. They are not recommended as the basis for regulatory decision-making, and are shown here only to inform situations where acute values from other sources are not available.

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007)			AEGL-1 (1-h)	AEGL-1 (8-h)	AEGL-2 (1-h)	AEGL-2 (8-h)	ERPG-1	ERPG-2	MRL	REL	IDLH/10	TEEL-0	TEEL-1
CHEMICAL NAME	CAS NO.	HAP NO.	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Epichlorohydrin	106-89-8	74	22 ⁱ	22 ⁱ	91 ⁱ	38 ⁱ	22	91		1.3	28		
1,2-Epoxybutane	106-88-7	75										120	290
Ethyl acrylate	140-88-5	76	34 ⁱ	34 ⁱ	150 ⁱ	38 ⁱ	34	150			120		
Ethyl benzene	100-41-4	77									350		
Ethyl carbamate	51-79-6	78										500	500
Ethyl chloride	75-00-3	79							40		1000		
Ethylene dibromide	106-93-4	80	130 ^p	35 ^p	180 ^p	50 ^p					77		
Ethylene dichloride	107-06-2	81					200	810			20		
Ethylene glycol	107-21-1	82							1.3				
Ethylene imine (Aziridine)	151-56-4	83			8.1 ⁱ	0.83 ⁱ							
Ethylene oxide	75-21-8	84			81 ⁱ	14 ⁱ		81			140		
Ethylene thiourea	96-45-7	85										3.5	10
Ethylidene dichloride (1,1-Dichloroethane)	75-34-3	86									1200		
Formaldehyde	50-00-0	87	1.1 ⁱ	1.1 ⁱ	17 ⁱ	17 ⁱ	1.1	17	0.049	0.094	2.5		
Diethylene glycol monobutyl ether	112-34-5	181										100	150
Diethylene glycol monoethyl ether	111-90-0	181										140	410
Ethylene glycol ethyl ether	110-80-5	181								0.37	180		
Ethylene glycol ethyl ether acetate	111-15-9	181								0.14			
Ethylene glycol methyl ether	109-86-4	181								0.093			
Ethylene glycol methyl ether acetate	110-49-6	181											
Heptachlor	76-44-8	88									3.5		
Hexachlorobenzene	118-74-1	89										0.002	0.006
Hexachlorobutadiene	87-68-3	90					11	32					
Hexachlorocyclopentadiene	77-47-4	91										0.11	0.2
Hexachlorodibenzo-p-dioxin, mixture	19408-74-3	187										0.005	0.015
Hexachloroethane	67-72-1	92							58				
Hexamethylene-1,6-diisocyanate	822-06-0	93										0.034	0.1
Hexamethylphosphoramide	680-31-9	94										0.29	0.92
n-Hexane	110-54-3	95			12000 ⁱ	12000 ⁱ					390		
Hydrazine	302-01-2	96	0.13 ⁱ	0.13 ⁱ	17 ⁱ	2.1 ⁱ	0.13	17			6.5		
Hydrochloric acid	7647-01-0	97	2.7 ^f	2.7 ^f	33 ^f	16 ^f	2.7	33		2.1	7.5		
Hydrofluoric acid	7664-39-3	98	0.82 ^f	0.82 ^f	20 ^f	9.8 ^f	0.82	20	0.016	0.24	2.5		
Hydrogen sulfide	7783-06-4	999	0.71 ⁱ	0.46 ⁱ	38 ⁱ	24 ⁱ	0.71	38	0.098	0.042			
Hydroquinone	123-31-9	99									5		
Isophorone	78-59-1	100										28	28
Lead acetate	301-04-2	182										0.075	0.2
Lead chloride	7758-95-4	182										0.06	0.2
Lead compounds	7439-92-1	182									10		
Lead nitrate	10099-74-8	182										0.075	0.22
Lead subacetate	1335-32-6	182										0.06	0.2
Tetraethyl lead	78-00-2	182									4		
Tetramethyl lead	75-74-1	182									4		

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007). Revisions since 6/2/05 are shown in red. AEGL = Acute exposure guideline levels for mild effects (AEGL-1) and moderate effects (AEGL-2) for 1- and 8-hour exposures. Superscripts indicate the AEGL's status: f = final, i=interim, and p=proposed. ERPG = US DOE Emergency Removal Program guidelines for mild or transient effects (ERPG-1) and irreversible or serious effects (ERPG-2) for 1-hour exposures. MRL = ATSDR minimum risk levels for no adverse effects for 1 to 14-day exposures. REL = California EPA reference exposure level for no adverse effects. Most, but not all, RELs are for 1-hour exposures. IDLH/10 = One-tenth of levels determined by NIOSH to be imminently dangerous to life and health, approximately comparable to mild effects levels for 1-hour exposures. TEEL = US DOE Temporary emergency exposure limits for no effects (TEEL-0) and mild, transient effects (TEEL-1) for 1-hour exposures. TEELs are derived according to a tiered, formula-like methodology, and do not undergo peer review. They are not recommended as the basis for regulatory decision-making, and are shown here only to inform situations where acute values from other sources are not available.

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007)			AEGL-1 (1-h)	AEGL-1 (8-h)	AEGL-2 (1-h)	AEGL-2 (8-h)	ERPG-1	ERPG-2	MRL	REL	IDLH/10	TEEL-0	TEEL-1
CHEMICAL NAME	CAS NO.	HAP NO.	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Nickel oxide	1313-99-1	186										0.75	0.75
Nickel refinery dust	NL_DUST	186											
Nickel subsulfide	12035-72-2	186											
Nickel sulfate	7786-81-4	186										2.5	2.5
Nitrobenzene	98-95-3	120									100		
4-Nitrobiphenyl	92-93-3	121										0.25	0.75
4-Nitrophenol	100-02-7	122										0.75	2.5
2-Nitropropane	79-46-9	123									36		
Nitrosodimethylamine	62-75-9	125										3.5	10
N-Nitrosomorpholine	59-89-2	126										12	30
N-Nitroso-N-methylurea	684-93-5	124										0.015	0.05
Parathion	56-38-2	127									1		
Polychlorinated biphenyls	1336-36-3	136										1	3
Aroclor 1016	12674-11-2	136										0.2	0.6
Aroclor 1221	11104-28-2	136										0.2	0.6
Aroclor 1242	53469-21-9	136										1	3
Aroclor 1248	12672-29-6	136										0.2	0.6
Aroclor 1254	11097-69-1	136										0.5	1.5
Aroclor 1260	11096-82-5	136										0.3	0.75
Pentachloronitrobenzene	82-68-8	128										0.5	1.5
Pentachlorophenol	87-86-5	129									0.25		
Phenol	108-95-2	130	58 ⁱ	24 ⁱ	89 ⁱ	46 ⁱ	58	89		5.8	96		
p-Phenylenediamine	106-50-3	131										0.1	0.3
Phosgene	75-44-5	132		f	1.2 ^f	0.16 ^f		1.2		0.004	0.81		
Phosphine	7803-51-2	133		i	2.8 ⁱ	0.35 ⁱ		2.8					
Phosphorus, white	7723-14-0	134							0.02				
Phthalic anhydride	85-44-9	135									6		
Acenaphthene	83-32-9	187										0.4	1.2
Anthracene	120-12-7	187										2	6
Benzo(a)anthracene	56-55-3	187										0.1	0.3
Benzo(b)fluoranthene	205-99-2	187										0.2	0.6
Benzo(k)fluoranthene	207-08-9	187										0.2	0.6
Benzo(g,h,i)perylene	191-24-2	187										10	30
Benzo(a)pyrene	50-32-8	187										0.2	0.6
Carbazole	86-74-8	187										0.75	2.5
beta-Chloronaphthalene	91-58-7	187										0.2	0.6
Chrysene	218-01-9	187										0.2	0.6
Dibenz(a,h)anthracene	53-70-3	187										10	30
Dibenzo[a,e]pyrene	192-65-4	187										0.035	0.1
Fluoranthene	206-44-0	187										0.005	0.015
Fluorene	86-73-7	187										7.5	25
Indeno(1,2,3-cd)pyrene	193-39-5	187										0.15	0.5

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007). *Revisions since 6/2/05 are shown in red.* AEGL = Acute exposure guideline levels for mild effects (AEGL-1) and moderate effects (AEGL-2) for 1- and 8-hour exposures. Superscripts indicate the AEGL's status: f = final, i=interim, and p=proposed. ERPG = US DOE Emergency Removal Program guidelines for mild or transient effects (ERPG-1) and irreversible or serious effects (ERPG-2) for 1-hour exposures. MRL = ATSDR minimum risk levels for no adverse effects for 1 to 14-day exposures. REL = California EPA reference exposure level for no adverse effects. Most, but not all, RELs are for 1-hour exposures. IDLH/10 = One-tenth of levels determined by NIOSH to be imminently dangerous to life and health, approximately comparable to mild effects levels for 1-hour exposures. TEEL = US DOE Temporary emergency exposure limits for no effects (TEEL-0) and mild, transient effects (TEEL-1) for 1-hour exposures. TEELs are derived according to a tiered, formula-like methodology, and do not undergo peer review. They are not recommended as the basis for regulatory decision-making, and are shown here only to inform situations where acute values from other sources are not available.

Table 2. Acute Dose-Response Values for Screening Risk Assessments (6/12/2007)			AEGL-1 (1-h)	AEGL-1 (8-h)	AEGL-2 (1-h)	AEGL-2 (8-h)	ERPG-1	ERPG-2	MRL	REL	IDLH/10	TEEL-0	TEEL-1
CHEMICAL NAME	CAS NO.	HAP NO.	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
2,4,6-Trichlorophenol	88-06-2	161										10	30
Triethylamine	121-44-8	162								2.8			
Trifluralin	1582-09-8	163										0.025	0.075
2,2,4-trimethylpentane	540-84-1	164										350	350
Uranium compounds	7440-61-1	188									1		
Uranium (IV) dioxide	1344-57-6	188											
Uranium hexafluoride	7783-81-5	188	3.6 ^f	^f	9.6 ^f	1.2 ^f	3.6	9.6					
Uranium oxide	1344-59-8	188											
Uranium, soluble salts	URANSOLS	188										0.05	0.6
Uranyl acetate dihydrate	541-09-3	188										0.075	1
Uranyl nitrate hexahydrate	13520-83-7	188										0.1	1.2
Vinyl acetate	108-05-4	165	24 ^P	24 ^P	630 ^P	260 ^P	18	260					
Vinyl bromide	593-60-2	166										22	66
Vinyl chloride	75-01-4	167	640 ⁱ	180 ⁱ	3100 ⁱ	2100 ⁱ	640	3100	1.3	180			
Vinylidene chloride	75-35-4	168										20	79
m-Xylene	108-38-3	171								22	390		
o-Xylene	95-47-6	170									390		
p-Xylene	106-42-3	172								22	390		
Xylenes (mixed)	1330-20-7	169	560 ⁱ	560 ⁱ	4000 ⁱ	1700 ⁱ			8.7	22	390		
Xylenes (mixed)	1330-20-7	169	560 ⁱ	560 ⁱ	4000 ⁱ	1700 ⁱ			8.7	22	390		