

April 5, 2007 FINAL AEGLS (31)

Final AEGLs are published by the National Research Council, National Academy of Sciences (NRC/NAS) following NRC/NAS peer review.

57-14-7 1,1- Dimethyl hydrazine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	18	6.0	3.0	0.75	0.38
AEGL 3	65	22	11	2.7	1.4

NR = Not recommended due to insufficient data

60-34-4 Methyl hydrazine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	5.3	1.8	0.90	0.23	0.11
AEGL 3	16	5.5	2.7	0.68	0.34

NR = Not recommended due to insufficient data

62-53-3 Aniline (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	48	16	8.0	2.0	1.0
AEGL 2	72	24	12	3.0	1.5
AEGL 3	120	40	20	5.0	2.5

74-90-8 Hydrogen cyanide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.5	2.5	2.0	1.3	1.0
AEGL 2	17	10	7.1	3.5	2.5
AEGL 3	27	21	15	8.6	6.6

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75-44-5 Phosgene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.60	0.60	0.30	0.080	0.040
AEGL 3	3.6	1.5	0.75	0.20	0.090

NR = Not recommended due to insufficient data

77-81-6 Agent GA (Tabun) (ppm) [mg/m³]

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.0010 [0.0069]	0.00060 [0.0040]	0.00042 [0.0028]	0.00021 [0.0014]	0.00015 [0.0010]
AEGL 2	0.013 [0.087]	0.0075 [0.050]	0.0053 [0.035]	0.0026 [0.017]	0.0020 [0.013]
AEGL 3	0.11 [0.76]	0.057 [0.38]	0.039 [0.26]	0.021 [0.14]	0.015 [0.10]

91-08-7 2,6-Toluenediisocyanate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.020	0.020	0.020	0.010	0.010
AEGL 2	0.24	0.17	0.083	0.021	0.021
AEGL 3	0.65	0.65	0.51	0.32	0.16

96-64-0 Agent GD (Soman) (ppm) [mg/m³]

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.00046 [0.0035]	0.00026 [0.0020]	0.00018 [0.0014]	0.000091 [0.00070]	0.000065 [0.00050]
AEGL 2	0.0057 [0.044]	0.0033 [0.025]	0.0022 [0.018]	0.0012 [0.0085]	0.00085 [0.0065]
AEGL 3	0.049 [0.38]	0.025 [0.19]	0.017 [0.13]	0.0091 [0.070]	0.0066 [0.051]

107-15-3

Ethylene diamine (ppm)

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	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	12	12	9.7	6.1	4.8
AEGL 3	25	25	20	13	10

NR = Not recommended due to insufficient data.

107-44-8 Agent GB (Sarin) (ppm) [mg/m³]

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.0012 [0.0069]	0.00068 [0.0040]	0.00048 [0.0028]	0.00024 [0.0014]	0.00017 [0.0010]
AEGL 2	0.015 [0.087]	0.0085 [0.050]	0.0060 [0.035]	0.0029 [0.017]	0.0022 [0.013]
AEGL 3	0.064 [0.38]	0.032 [0.19]	0.022 [0.13]	0.012 [0.070]	0.0087 [0.051]

108-91-8 Cyclohexylamine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.8	1.8	1.8	1.8	1.8
AEGL 2	11	11	8.6	5.4	2.7
AEGL 3	38	38	30	19	9.5

329-99-7 GF Agent (ppm) [mg/m³]

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.00049 [0.0035]	0.00028 [0.0020]	0.00020 [0.0014]	0.00010 [0.00070]	0.000070 [0.00050]
AEGL 2	0.0062 [0.044]	0.0035 [0.025]	0.0024 [0.018]	0.0013 [0.0085]	0.00091 [0.0065]
AEGL 3	0.053 [0.38]	0.027 [0.19]	0.018 [0.13]	0.0098 [0.070]	0.0071 [0.051]

505-60-2 Sulfur Mustard (ppm)[mg/m³]

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.060 [0.40]	0.020 [0.13]	0.010 [0.067]	0.0030 [0.017]	0.0010 [0.0083]
AEGL 2	0.090 [0.60]	0.030 [0.20]	0.020 [0.10]	0.0040 [0.025]	0.0020 [0.013]

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AEGL 3	0.59 [3.9]	0.41 [2.7]	0.32 [2.1]	0.080 [0.53]	0.040 [0.27]
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509-14-8

Tetranitromethane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.66	0.66	0.52	0.33	0.17
AEGL 3	2.2	2.2	1.7	1.1	0.55

NR = Not recommended due to insufficient data

540-73-8

1,2-Dimethyl hydrazine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	18	6.0	3.0	0.75	0.38
AEGL 3	65	22	11	2.7	1.4

NR = Not recommended due to insufficient data

584-84-9

2,4-Toluene Diisocyanate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.020	0.020	0.020	0.010	0.010
AEGL 2	0.24	0.17	0.083	0.021	0.021
AEGL 3	0.65	0.65	0.51	0.32	0.16

624-83-9

Methyl isocyanate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.40	0.13	0.067	0.017	0.0080
AEGL 3	1.2	0.40	0.20	0.050	0.025

NR = Not recommended since AEGL-1 irritation levels would exceed AEGL-2

811-97-2 HFC 134A (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	8,000	8,000	8,000	8,000	8,000
AEGL 2	13,000	13,000	13,000	13,000	13,000
AEGL 3	27,000	27,000	27,000	27,000	27,000

1717-00-6 HCFC 141b (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1,000	1,000	1,000	1,000	1,000
AEGL 2	1,700	1,700	1,700	1,700	1,700
AEGL 3	3,000	3,000	3,000	3,000	3,000

7647-01-0 Hydrogen chloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.8	1.8	1.8	1.8	1.8
AEGL 2	100	43	22	11	11
AEGL 3	620	210	100	26	26

7664-39-3 Hydrogen fluoride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.0	1.0	1.0	1.0	1.0
AEGL 2	95	34	24	12	12
AEGL 3	170	62	44	22	22

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7782-50-5 Chlorine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.50	0.50	0.50	0.50	0.50
AEGL 2	2.8	2.8	2.0	1.0	0.70
AEGL 3	50	28	20	10	7.1

7783-81-5 Uranium hexafluoride (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	3.6	3.6	3.6	NR	NR
AEGL 2	28	19	9.6	2.4	1.2
AEGL 3	216	72	36	9.0	4.5

NR = Not recommended due to insufficient data

7784-42-1 Arsine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.30	0.21	0.17	0.040	0.020
AEGL 3	0.91	0.63	0.50	0.13	0.060

NR = Not recommended since AEGL-2 concentrations are below sensory effect concentrations.

7790-91-2 Chlorine trifluoride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.12	0.12	0.12	0.12	0.12
AEGL 2	8.1	3.5	2.0	0.70	0.41
AEGL 3	84	36	21	7.3	7.3

10049-04-4

Chlorine dioxide (ppm)

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	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.15	0.15	0.15	0.15	0.15
AEGL 2	1.4	1.4	1.1	0.69	0.45
AEGL 3	3.0	3.0	2.4	1.5	0.98

19287-45-7 Diborane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	2.0	2.0	1.0	0.25	0.13
AEGL 3	7.3	7.3	3.7	0.92	0.46

NR = Not recommended due to insufficient data

50782-69-9 Agent VX (ppm)[mg/m³]

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.000052 [0.00057]	0.000030 [0.00033]	0.000016 [0.00017]	0.0000091 [0.00010]	0.0000065 [0.000071]
AEGL 2	0.00065 [0.0072]	0.00038 [0.0042]	0.00027 [0.0029]	0.00014 [0.0015]	0.000095 [0.0010]
AEGL 3	0.0027 [0.029]	0.0014 [0.015]	0.00091 [0.010]	0.00048 [0.0052]	0.00035 [0.0038]

106602-80-6 Otto Fuel (mainly Propylene Glycol Dinitrate 6423-43-4) 106602-80-6 (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.33	0.33	0.17	0.050	0.030
AEGL 2	2.0	2.0	1.0	0.25	0.13
AEGL 3	16	16	13	8.0	5.3

163702-07-6 and 163702-08-7 (HFE-7100) Methyl nonafluorobutyl ether (40%) and Methyl nonafluoroisobutyl ether (60%) (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2,500	2,500	2,500	2,500	2,500
AEGL 2	8,200	8,200	8,200	8,200	8,200

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AEGL 3	15,000	15,000	15,000	15,000	15,000
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Interim AEGLs are established following review and consideration of public comments by the National Advisory Committee for AEGLs (NAC/AEGL) of public comments on Proposed AEGLs that are published in the Federal Register. Interim AEGLs are available for use by organizations while awaiting NRC/NAS peer review and publication of Final AEGLs. (Dates) in parentheses refer to date of the NAC meeting when the decision was made to raise Proposed AEGLs to Interim status.

50-00-0 Formaldehyde (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.90	0.90	0.90	0.90	0.90
AEGL 2	14	14	14	14	14
AEGL 3	100	70	56	35	35

56-23-5 Carbon tetrachloride (ppm) 9/13/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	58	58	44	25	19
AEGL 2	380	250	190	100	81
AEGL 3	1100	680	520	300	220

67-56-1 Methanol (ppm) 4/20/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	670	670	530	340	270
AEGL 2	11,000*	4,000	2,100	730	520
AEGL 3	** See below	14,000*	7,200*	2,400	1,600

Lower Explosive Limit (LEL) = 55,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL

AEGL 3 - 10 min = ** 40,000 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

Level of Distinct Odor Awareness (LOA) = 8.9 ppm

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67-64-1 Acetone (ppm) 4/14/05

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	200	200	200	200	200
AEGL 2	9,300*	4,900*	3,200*	1,400	950
AEGL 3	**see below	8,600*	5,700*	2,500	1,700

Lower Explosive Limit (LEL) = 26,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL

AEGL 3 - 10 min = ** 16,000 ppm

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Level of Distinct Odor Awareness (LOA) = 160 ppm

67-66-3 Chloroform (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	120	80	64	40	29
AEGL 3	4,000	4,000	3,200	2,000	1,600

NR = Not recommended due to insufficient data

68-12-2 N,N-Dimethylformamide (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	160	110	90	55	38
AEGL 3	320	220	180	110	76

NR = Not recommended due to insufficient data

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71-43-2

Benzene (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	130	73	52	18	9.0
AEGL 2	2,000*	1,100	800	400	200
AEGL 3	**see below	5,600*	4,000*	2,000*	990

Lower Explosive Limit (LEL) = 14,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL

AEGL 3 - 10 min = ** 9,700 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

71-55-6

1,1,1-Trichloroethane (ppm) 4/26/00

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	230	230	230	230	230
AEGL 2	930	670	600	380	310
AEGL 3	4,200	4,200	4,200	2,700	2,100

74-83-9

Methyl bromide (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	940	380	210	67	67
AEGL 3	3,300	1,300	740	230	130

NR = Not Recommended due to insufficient data

74-87-3

Methyl chloride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1,100	1,100	910	570	380
AEGL 3	3,800	3,800	3,000	1,900	1,300

NR = Not Recommended due to insufficient data

74-93-1

Methyl mercaptan (ppm) 10/25/04

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	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	59	59	47	30	19
AEGL 3	120	86	68	43	22

NR = Not recommended due to insufficient data

Level of Distinct Odor Awareness (LOA)= 1.9 ppb

74-98-6

Propane (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	10,000*	6,900*	5,500*	5,500*	5,500*
AEGL 2	**see below	**see below	**see below	**see below	**see below
AEGL 3	***see below	***see below	***see below	***see below	***see below

Lower Explosive Limit (LEL) = 23,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL; *** = $\geq 100\%$ LEL

AEGL 2 - 10 min/30 min/60 min/4 hr/8 hr = ** 17,000 ppm

AEGL 3 - 10 min/30 min/60 min/4 hr/8 hr = *** 33,000 ppm

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For values denoted as ** & *** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

75-01-4

Vinyl chloride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	450	310	250	140	70
AEGL 2	2,800	1,600	1,200	820	820
AEGL 3	12,000*	6,800*	4,800*	3,400	3,400

Lower Explosive Limit (LEL) = 38,000 ppm to 293,000 ppm

* = $\geq 10\%$ LEL

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

75-05-8

Acetonitrile (ppm)

	10 min	30 min	60 min	4 hr	8 hr

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AEGL 1	13	13	13	13	13
AEGL 2	490	490	320	130	86
AEGL 3	1000	1000	670	280	180

75-07-0 Acetaldehyde (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	45	45	45	45	45
AEGL 2	340	340	270	170	110
AEGL 3	1100	1100	840	530	260

Level of Distinct Odor Awareness (LOA)= 0.56 ppm

75-08-1 Ethyl mercaptan (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.0	1.0	1.0	1.0	1.0
AEGL 2	150	150	120	77	37
AEGL 3	450	450	360	230	110

Level of Distinct Odor Awareness (LOA)= 0.0000087 ppm

75-09-2 Methylene chloride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	290	230	200	NR	NR
AEGL 2	1700	1200	560	100	60
AEGL 3	12,000	8,500	6,900	4,900	2,100

75-15-0 Carbon disulfide (ppm) 10/25/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	17	17	13	8.4	6.7
AEGL 2	200	200	160	100	50
AEGL 3	600	600	480	300	150

75-21-8 Ethylene oxide (ppm) 7/28/00

	10 min	30 min	60 min	4 hr	8 hr
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AEGL 1	NR	NR	NR	NR	NR
AEGL 2	80	80	45	14	7.9
AEGL 3	360	360	200	63	35

NR = Not recommended due to insufficient data

75-55-8 Propyleneimine (ppm) 1/9/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	83	25	12	2.5	1.2
AEGL 3	170	50	23	5.1	2.4

NR = Not recommended due to insufficient data

75-56-9 Propylene oxide (ppm) 1/9/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	73	73	73	73	73
AEGL 2	440	440	290	130	86
AEGL 3	1300	1300	870	390	260

Level of Distinct Odor Awareness = 21 ppm

75-77-4 Trimethylchlorosilane (ppm) 10/25/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.8	1.8	1.8	1.8	1.8
AEGL 2	190	64	32	16	16
AEGL 3	790	270	130	33	33

75-78-5

Dichlorodimethylsilane (ppm) 7/27/00

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	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.90	0.90	0.90	0.90	0.90
AEGL 2	78	26	13	6.5	6.5
AEGL 3	320	110	53	13	13

75-79-6 Trichloromethyl silane (ppm) 12/10/02

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.60	0.60	0.60	0.60	0.60
AEGL 2	37	12	6.2	3.1	3.1
AEGL 3	170	56	28	7.0	7.0

75-86-5 Acetone cyanohydrin (ppm) 7/26/00

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.5	2.5	2.0	1.3	1.0
AEGL 2	17	10	7.1	3.5	2.5
AEGL 3	27	21	15	8.6	6.6

77-78-1 Dimethyl sulfate (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.035	0.035	0.024	0.012	0.0087
AEGL 2	0.17	0.17	0.12	0.061	0.043
AEGL 3	4.0	2.3	1.6	0.82	0.58

78-82-0 Isobutyronitrile (ppm) 9/17/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	33	23	18	11	7.5
AEGL 3	120	85	68	17	8.5

NR = Not recommended due to insufficient data

78-93-3

Methyl ethyl ketone (ppm)

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	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	200	200	200	200	200
AEGL 2	4,900*	3,400*	2,700*	1,700	1,700
AEGL 3	**see below	**see below	4,000*	2,500*	2,500*

Lower Explosive Limit (LEL) = 18,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL

AEGL 3 - 10 min/30 min = ** 10,000 ppm

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78-95-5

Chloroacetone (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	8.0	5.5	4.4	1.1	1.1
AEGL 3	24	17	13	3.3	3.3

79-01-6

Trichloroethylene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	260	180	130	84	77
AEGL 2	960	620	450	270	240
AEGL 3	6,100	6,100	3,800	1,500	970

79-04-9

Chloroacetyl chloride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.040	0.040	0.040	0.040	0.040
AEGL 2	2.9	2.0	1.6	0.40	0.20
AEGL 3	95	66	52	13	6.5

79-10-7

Acrylic acid (ppm) 12/10/03

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	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.5	1.5	1.5	1.5	1.5
AEGL 2	68	68	46	21	14
AEGL 3	480	260	180	85	58

79-11-8 Monochloroacetic acid (ppm) 1/9/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	12	8.3	6.6	1.7	0.83
AEGL 3	NR	NR	NR	NR	NR

NR = Not recommended due to insufficient data

79-21-0 Peracetic Acid (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.17	0.17	0.17	0.17	0.17
AEGL 2	0.50	0.50	0.50	0.50	0.50
AEGL 3	19	9.6	4.8	2.6	1.9

79-36-7 Dichloroacetyl Chloride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.040	0.040	0.040	0.040	0.040
AEGL 2	2.9	2.0	1.6	0.40	0.20
AEGL 3	95	66	52	13	6.5

79-41-4 Methacrylic acid (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	6.7	6.7	6.7	6.7	6.7
AEGL 2	76	76	61	38	25
AEGL 3	280	280	220	140	71

80-62-6

Methyl methacrylate (ppm) 12/12/06

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	17	17	17	17	17
AEGL 2	150	150	120	76	50
AEGL 3	720	720	570	360	180

Level of Distinct Odor Awareness (LOA) = 0.11 ppm

98-82-8

Cumene (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	50	50	50	50	50
AEGL 2	550	380	300	190	130
AEGL 3	1300	920	730	460	300

Level of Distinct Odor Awareness (LOA) = 0.017 ppm

100-47-0

Benzonitrile (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	39	27	22	11	5.6
AEGL 3	100	71	56	23	11

NR = Not recommended due to insufficient data

106-89-8

Epichlorohydrin (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	5.7	5.7	5.7	5.7	5.7
5.7AEGL 2	53	53	24	14	10
AEGL 3	570	160	72	43	30

NR = Not recommended due to insufficient data

106-97-8

Butane (ppm) 11/13/06

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	**see below	6,900*	5,500*	5,500*	5,500*
AEGL 2	***see below	**see below	**see below	**see below	**see below
AEGL 3	***see below	***see below	***see below	***see below	***see below

Lower Explosive Limit (LEL) = 19,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL; *** = $\geq 100\%$ LEL

AEGL 1 - 10 min = ** 10,000 ppm

AEGL 2 - 10 min = *** 24,000 ppm; 30 min/ 60 min/ 4hr/ 8hr = ** 17,000 ppm

AEGL 3 - 10 min = *** 77,000 ppm; 30 min/ 60 min/ 4hr/ 8hr = *** 53,000 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

106-99-0

1,3-Butadiene (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	670	670	670	670	670
AEGL 2	*6700	*6700	*5300	*3400	*2700
AEGL 3	***27,000	***27,000	***22,000	**14,000	*6,800

Lower Explosive Limit (LEL) = 20,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL; *** = $\geq 100\%$ LEL

AEGL 3 - 4 hr = ** 14,000 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

Level of Distinct Odor Awareness = 3.7 ppm

107-02-8

Acrolein (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.030	0.030	0.030	0.030	0.030
AEGL 2	0.44	0.18	0.10	0.10	0.10
AEGL 3	6.2	2.5	1.4	0.48	0.27

107-11-9

Allyl Amine (ppm) 9/11/02

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.42	0.42	0.42	0.42	0.42
AEGL 2	3.3	3.3	3.3	1.8	1.2
AEGL 3	150	40	18	3.5	2.3

107-12-0 Propionitrile (ppm) 9/17/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	9.0	9.0	7.0	2.9	1.4
AEGL 3	46	46	37	23	12

NR = Not recommended due to insufficient data

107-14-2 Chloroacetonitrile (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	49	49	32	13	8.6
AEGL 3	100	100	67	28	18

NR = Not recommended due to insufficient data

107-18-6 Allyl alcohol (ppm) 6/12/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.1	2.1	2.1	2.1	2.1
AEGL 2	4.2	4.2	4.2	4.2	4.2
AEGL 3	36	25	20	10	10

107-20-0 Chloroacetaldehyde (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.3	2.3	1.3	0.40	0.22
AEGL 2	9.8	3.9	2.2	0.69	0.39
AEGL 3	44	18	9.9	3.1	1.8

107-30-2 Chloromethyl methyl ether (ppm) 10/23/00

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.60	0.60	0.47	0.30	0.22
AEGL 3	2.6	2.6	2.0	1.3	0.93

NR = Not recommended due to insufficient data

108-88-3

Toluene (ppm) 12/10/02

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	200	200	200	200	200
AEGL 2	*3100	*1600	1200	790	650
AEGL 3	** see below	*6,100	*4,500	*3,000	*2,500

Lower Explosive Limit (LEL) = 14,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL

AEGL 3 - 10 min = ** 13,000 ppm; AEGL-3 – 30 min = **6,100 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

108-95-2

Phenol (ppm) 4/20/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	19	19	15	9.5	6.3
AEGL 2	29	29	23	15	12
AEGL 3	NR	NR	NR	NR	NR

NR = Not recommended due to insufficient data

Level of Distinct Odor Awareness (LOA) = 0.25 ppm

109-77-3

Malononitrile (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	7.5	7.5	4.9	2.0	1.3
AEGL 3	15	15	10	4.3	2.8

NR = Not recommended due to insufficient data

110-00-9

Furan (ppm) 4/11/02

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	12	8.5	6.8	1.7	0.85
AEGL 3	35	24	19	4.8	2.4

NR = Not recommended due to insufficient data

100-42-5

Styrene (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	20	20	20	20	20
AEGL 2	230	160	130	130	130
AEGL 3	1,900*	1,900*	1,100*	340	340

Lower Explosive Limit (LEL) = 9,000 ppm

* = $\geq 10\%$ LEL

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

Level of Distinct Odor Awareness (LOA)= 0.54 ppm

110-54-3

Hexane (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	*4800	*3300	*3300	*3300	*3300
AEGL 3	***see below	**see below	**see below	**see below	**see below

Lower Explosive Limit (LEL) = 11,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL; *** = $\geq 100\%$ LEL

AEGL 3 - 10 min = ***12,000 ppm; 30 min, 1 hr, 4 hr, and 8 hr = **8,600

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** and *** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

NR = Not recommended due to insufficient data

110-89-4

Piperidine (ppm) 11/13/06

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	10	10	6.6	2.6	1.7
AEGL 2	50	50	33	13	8.3
AEGL 3	370	180	110	45	28

Level of Distinct Odor Awareness (LOA) = 5.8 ppm

123-38-6 Propionaldehyde (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	45	45	45	45	45
AEGL 2	330	330	260	170	110
AEGL 3	1,100	1,100	840	530	260

Level of Distinct Odor Awareness = 0.64 ppm

123-73-9 trans-Crotonaldehyde (ppm) 4/27/00

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.19	0.19	0.19	0.19	0.19
AEGL 2	27	8.9	4.4	1.1	0.56
AEGL 3	44	27	14	2.6	1.5

123-91-1 1,4-Dioxane (ppm) 10/25/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	17	17	17	17	17
AEGL 2	580	400	320	200	100
AEGL 3	950	950	760	480	240

Level of Distinct Odor Awareness (LOA) = 1.7 ppm

126-98-7

Methacrylonitrile (ppm) 11/13/06

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.0	2.0	1.0	1.0	1.0
AEGL 2	16	16	13	6.5	6.5
AEGL 3	32	32	25	13	13

127-18-4 Tetrachloroethylene (ppm) 6/12/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	35	35	35	35	35
AEGL 2	230	230	230	120	81
AEGL 3	1,600	1,600	1,200	580	410

140-88-5 Ethyl acrylate (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	8.3	8.3	8.3	8.3	8.3
AEGL 2	66	45	36	19	9.4
AEGL 3	950	410	240	71	41

141-32-2 n-Butyl acrylate (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	8.3	8.3	8.3	8.3	8.3
AEGL 2	160	160	130	81	53
AEGL 3	820	820	480	170	97

151-56-4 Ethyleneimine (ppm) 3/8/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	33	9.8	4.6	1.0	0.47
AEGL 3	51	19	9.9	2.8	1.5

NR = Not recommended due to insufficient data

Level of Distinct Odor Awareness = 11 ppm

156-59-2 cis-1,2-Dichloroethylene (ppm) 12/8/99

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	140	140	140	140	140
AEGL 2	500	500	500	340	230
AEGL 3	850	850	850	620	310

156-60-5 cis- and trans-1,2-Dichloroethylene (ppm) 12/8/99

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	280	280	280	280	280
AEGL 2	1,000	1,000	1,000	690	450
AEGL 3	1,700	1,700	1,700	1,200	620

302-01-2 Hydrazine (ppm) 12/5/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.10	0.10	0.10	0.10	0.10
AEGL 2	23	16	13	3.1	1.6
AEGL 3	64	45	35	8.9	4.4

353-42-4 Boron trifluoride (compound with methyl ether) (mg/m³) 6/18/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.5	2.5	2.5	2.5	2.5
AEGL 2	47	47	37	24	12
AEGL 3	140	140	110	72	36

541-25-3 Lewisite 1 (mg/m³) (including mixtures with Lewisite 2 CAS #40334-69-8 and Lewisite 3 CAS #40334-70-1) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.65	0.23	0.12	0.035	0.018
AEGL 3	3.9	1.4	0.74	0.21	0.11

594-42-3 Perchloromethyl mercaptan (ppm) 9/11/02

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.013	0.013	0.013	0.013	0.013
AEGL 2	0.53	0.37	0.30	0.077	0.037
AEGL 3	1.6	1.1	0.90	0.23	0.11

Level of Distinct Odor Awareness = 0.016 ppm

630-08-0 Carbon monoxide (ppm) 6/11/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	420	150	83	33	27
AEGL 3	1,700	600	330	150	130

NR = Not recommended due to insufficient data

1330-20-7 Xylenes (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	130	130	130	130	130
AEGL 2	2,500*	1,300*	920*	500	400
AEGL 3	** see below	3,600*	2,500*	1,300*	1,000*

Lower Explosion Limit (LEL) = 9,000 ppm

* = $\geq 10\%$ LEL; ** = $\geq 50\%$ LEL

AEGL 3 - 10 min = ** 7,200 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For value denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

4170-30-3 cis-Crotonaldehyde (ppm) 9/27/00

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.19	0.19	0.19	0.19	0.19
AEGL 2	27	8.9	4.4	1.1	0.56
AEGL 3	44	27	14	2.6	1.5

7446-09-5 Sulfur Dioxide (ppm) 10/25/04

	10 min	30 min	60 min	4 hr	8 hr

December 9, 2007 INTERIM AEGLS (99)

AEGL 1	0.20	0.20	0.20	0.20	0.20
AEGL 2	0.75	0.75	0.75	0.75	0.75
AEGL 3	30	30	30	19	9.6

7446-11-9 Sulfur trioxide (mg/m³) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.20	0.20	0.20	0.20	0.20
AEGL 2	8.7	8.7	8.7	8.7	8.7
AEGL 3	270	200	160	110	93

7550-45-0 Titanium tetrachloride (ppm) 12/12/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	7.6	2.2	1.0	0.21	0.094
AEGL 3	38	13	5.7	2.0	0.91

NR = Not recommended due to insufficient data

7664-41-7 Ammonia (ppm) 12/11/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	30	30	30	30	30
AEGL 2	220	220	160	110	110
AEGL 3	2,700	1,600	1,100	550	390

7664-93-9 Sulfuric acid (mg/m³) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
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December 9, 2007 INTERIM AEGLS (99)

AEGL 1	0.20	0.20	0.20	0.20	0.20
AEGL 2	8.7	8.7	8.7	8.7	8.7
AEGL 3	270	200	160	110	93

7697-37-2 Nitric Acid (ppm) 10/25/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.53	0.53	0.53	0.53	0.53
AEGL 2	43	30	24	6.0	3.0
AEGL 3	170	120	92	23	11

7719-12-2 Phosphorus Trichloride (ppm) 9/16/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.34	0.34	0.34	0.34	0.34
AEGL 2	2.5	2.5	2.0	1.3	0.83
AEGL 3	7.0	7.0	5.6	3.5	1.8

7726-95-6 Bromine (ppm) 4/21/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.033	0.033	0.033	0.033	0.033
AEGL 2	0.55	0.33	0.24	0.13	0.095
AEGL 3	19	12	8.5	4.5	3.2

7782-41-4 Fluorine (ppm) 2/9/02

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.7	1.7	1.7	1.7	1.7
AEGL 2	20	11	5.0	2.3	2.3
AEGL 3	36	19	13	5.7	5.7

7783-06-4 Hydrogen sulfide (ppm) 9/10/02

	10 min	30 min	60 min	4 hr	8 hr
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December 9, 2007 INTERIM AEGLS (99)

AEGL 1	0.75	0.60	0.51	0.36	0.33
AEGL 2	41	32	27	20	17
AEGL 3	76	59	50	37	31

Level of Distinct Odor Awareness = 0.01 ppm

7783-07-5 Hydrogen selenide (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.8	1.0	0.73	0.37	0.26
AEGL 3	5.4	3.1	2.2	1.1	0.78

NR = Not recommended due to insufficient data

7787-71-5 Bromine trifluoride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.12	0.12	0.12	0.12	0.12
AEGL 2	8.1	3.5	2.0	0.70	0.41
AEGL 3	84	36	21	7.3	7.3

7789-30-2 Bromine pentafluoride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	3.0	2.0	1.0	0.50	0.36
AEGL 3	79	55	33	8.3	4.2

NR = Not recommended due to insufficient data

7803-51-2 Phosphine (ppm) 1/9/01

	10 min	30 min	60 min	4 hr	8 hr
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December 9, 2007 INTERIM AEGLS (99)

AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	4.0	2.0	0.50	0.25
AEGL 3	7.2	7.2	3.6	0.90	0.45

NR = Not recommended due to insufficient data

8014-95-7 Oleum (mg/m³) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.20	0.20	0.20	0.20	0.20
AEGL 2	8.7	8.7	8.7	8.7	8.7
AEGL 3	270	200	160	110	93

10025-67-9 Disulfur dichloride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.67	0.67	0.53	0.33	0.17
AEGL 2	8.1	8.1	6.4	4.0	2.0
AEGL 3	19	19	15	9.6	4.8

10025-87-3 Phosphorus oxychloride (ppm) 9/16/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	NR	NR	NR	NR	NR
AEGL 3	1.1	1.1	0.85	0.54	0.27

NR = Not recommended due to insufficient data

10034-85-2 * Hydrogen Iodide (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.0	1.0	1.0	1.0	1.0
AEGL 2	100	43	22	11	11
AEGL 3	740	250	120	31	31

* Values based on Hydrogen Bromide (insufficient information for HI)

10035-10-6 Hydrogen Bromide (ppm) 11/13/06

December 9, 2007 INTERIM AEGLS (99)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1	1	1	1	1
AEGL 2	100	43	22	11	11
AEGL 3	740	250	120	31	31

10102-43-9

* Nitric oxide (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	NR	NR	NR	NR	NR
AEGL 3	NR	NR	NR	NR	NR

NR = Not recommended

- a. AEGL values for nitrogen dioxide should be used for emergency planning
- b. Short-term exposures to below 80 ppm NO should not constitute a health hazard

10102-44-0

* Nitrogen dioxide (ppm) 12/13/04

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.50	0.50	0.50	0.50	0.50
AEGL 2	20	15	12	8.2	6.7
AEGL 3	34	25	20	14	11

* Some effects may be delayed

13463-39-3

Nickel carbonyl (ppm) 4/28/02

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.10	0.072	0.036	0.0090	0.0045
AEGL 3	0.46	0.32	0.16	0.040	0.020

NR = Not recommended due insufficient data

December 9, 2007 INTERIM AEGLS (99)

13463-40-6

Iron pentacarbonyl (ppm) 3/8/03

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.077	0.077	0.060	0.037	0.025
AEGL 3	0.23	0.23	0.18	0.11	0.075

NR = Not recommended due to lack of data

13637-63-3

Chlorine pentafluoride (ppm) 11/13/06

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.30	0.30	0.30	0.30	0.30
AEGL 2	3.0	2.0	1.0	0.50	0.36
AEGL 3	20	11	8.0	4.0	2.8

70892-10-3 and 8008-20-6

Jet Fuels (JP-5 and JP-8) (mg/m³) 12/4/01

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	290	290	290	290	290
AEGL 2	1,100	1,100	1,100	1,100	1,100
AEGL 3	NR	NR	NR	NR	NR

NR = Not recommended due to insufficient data

December 9, 2007 PROPOSED AEGLS (64)

Proposed AEGLs are published in the Federal Register for public comment following review and concurrence of Draft AEGLs by the NAC/AEGL.

Magnesium aluminum phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.3	1.3	0.67	0.17	0.080
AEGL 3	2.4	2.4	1.2	0.30	0.15

NR = Not recommended due to insufficient data

51-75-2

Nitrogen Mustard-2 (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.13	0.044	0.022	0.0056	0.0028
AEGL 3	2.2	0.74	0.37	0.093	0.047

NR = Not recommended due to insufficient data

74-89-5

Methyl amine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	15	15	15	15	15
AEGL 2	160	92	64	31	21
AEGL 3	910	510	350	170	110

Level of Distinct Odor Awareness = 0.56 ppm

75-04-7

Ethyl amine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	7.5	7.5	7.5	7.5	7.5
AEGL 2	150	76	49	22	14
AEGL 3	810	420	270	120	76

Level of Distinct Odor Awareness = 0.74 ppm

December 9, 2007 PROPOSED AEGLS (64)

75-50-3

Trimethyl amine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	8.0	8.0	8.0	8.0	8.0
AEGL 2	240	150	120	67	51
AEGL 3	750	490	380	220	170

Level of Distinct Odor Awareness = 0.00051 ppm

75-54-7

Methyl dichlorosilane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.90	0.90	0.90	0.90	0.90
AEGL 2	50	22	11	5.5	5.5
AEGL 3	280	93	47	12	12

78-85-3

Methacrylaldehyde (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.20	0.20	0.20	0.20	0.20
AEGL 2	3.5	3.5	2.8	1.8	1.1
AEGL 3	5.9	5.9	4.7	2.9	1.9

79-22-1

Methyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	2.8	2.2	1.4	0.70
AEGL 3	12	8.5	6.7	4.2	2.1

NR = Not recommended due to insufficient data

79-38-9

Trifluorochloroethylene (ppm)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	29	20	16	10	10
AEGL 2	160	110	86	54	54
AEGL 3	1500	690	420	150	91

92-52-4 Biphenyl (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	12	12	9.6	6.0	4.4
AEGL 3	NR	NR	NR	NR	NR

NR = Not recommended due to insufficient data

95-63-6 1,2,4-Trimethylbenzene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	180	180	140	90	45
AEGL 2	460	460	360	230	150
AEGL 3	NR	NR	NR	NR	NR

*NR = Not recommended due to lack of data

98-94-4 Methyl vinyl ketone (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.17	0.17	0.17	0.17	0.17
AEGL 2	1.5	1.5	1.2	0.76	0.50
AEGL 3	3.1	3.1	2.4	1.5	1.0

106-93-4 Dibromoethane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	52	26	17	7.1	4.6
AEGL 2	73	37	24	10	6.5
AEGL 3	170	76	46	17	10

December 9, 2007 PROPOSED AEGLS (64)

107-13-1

Acrylonitrile (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	4.6	4.6	4.6	4.6	4.6
AEGL 2	290	110	57	16	8.6
AEGL 3	480	180	100	35	19

107-19-7

Propargyl alcohol (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	2.5	2.5	2.5	2.5	2.5
AEGL 2	20	20	16	10	6.6
AEGL 3	130	93	74	29	15

108-05-4

Vinyl acetate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	6.7	6.7	6.7	6.7	6.7
AEGL 2	230	230	180	110	75
AEGL 3	760	760	610	380	250

Level of Distinct Odor Awareness (LOA) = 0.25 ppm

108-23-6

Isopropyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	6.0	4.3	3.3	0.83	0.43
AEGL 3	18	13	10	2.5	1.3

NR = Not recommended due to insufficient data

108-67-8

1,3,5-Trimethylbenzene (Mesitylene) (ppm)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	180	180	140	90	45
AEGL 2	460	460	360	230	150
AEGL 3	NR	NR	NR	NR	NR

*NR = Not recommended due to lack of data

108-90-7

Chlorobenzene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	10	10	10	10	10
AEGL 2	430	300	150	150	150
AEGL 3	1100	800	400	400	400

108-98-5

Phenyl mercaptan (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.0	0.70	0.53	0.33	0.17
AEGL 3	3.0	2.1	1.6	1.0	0.52

*NR = Not recommended due to lack of data

109-61-5

Propyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	6.7	4.7	3.7	0.90	0.47
AEGL 3	20	14	11	2.7	1.4

NR = Not recommended due to insufficient data

116-14-3

Tetrafluoroethylene (ppm)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	270	270	220	140	90
AEGL 2	690	690	550	340	230
AEGL 3	4200	4200	3300	2100	1000

116-15-4 Hexafluoropropylene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	150	67	40	14	8.3
AEGL 2	350	150	91	32	19
AEGL 3	1800	800	480	170	100

124-40-3 Dimethylamine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	10	10	10	10	10
AEGL 2	130	85	66	40	32
AEGL 3	480	320	250	150	120

Level of Distinct Odor Awareness = 0.53 ppm

463-51-4 Ketene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.24	0.24	0.19	0.12	0.088
AEGL 2	0.83	0.83	0.66	0.42	0.23
AEGL 3	2.5	2.5	2.0	1.2	0.68

501-53-1 Benzyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.2	1.2	0.97	0.63	0.31
AEGL 3	3.7	3.7	2.9	1.9	0.93

NR = Not recommended due to insufficient data

526-73-8 **1,2,3-Trimethylbenzene (ppm)**

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	180	180	140	90	45
AEGL 2	460	460	360	230	150
AEGL 3	NR	NR	NR	NR	NR

*NR = Not recommended due to lack of data

538-07-8 Nitrogen Mustard-1 (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.13	0.044	0.022	0.0056	0.0028
AEGL 3	2.2	0.74	0.37	0.093	0.047

NR = Not recommended due to insufficient data

541-41-3 Ethyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	2.9	2.0	1.6	0.40	0.20
AEGL 3	8.8	6.1	4.8	1.2	0.60

NR = Not recommended due to insufficient data

542-88-1 Bis (chloromethyl) ether (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.055	0.055	0.044	0.028	0.020
AEGL 3	0.23	0.23	0.18	0.11	0.075

NR = Not recommended due to insufficient data

543-27-1 Isobutyl chloroformate (ppm)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	2.8	2.2	0.57	0.28
AEGL 3	12	8.4	6.7	1.7	0.83

NR = Not recommended due to insufficient data

555-77-1 Nitrogen Mustard-3 (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.13	0.044	0.022	0.0056	0.0028
AEGL 3	2.2	0.74	0.37	0.093	0.047

NR = Not recommended due to insufficient data

578-94-9 Adamsite (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.20	0.041	0.016	0.0022	0.00083
AEGL 2	9.7	6.8	2.6	0.36	0.14
AEGL 3	21	17	6.4	0.91	0.34

592-34-7 n-Butyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	2.8	2.2	0.57	0.28
AEGL 3	12	8.4	6.7	1.7	0.83

NR = Not recommended due to insufficient data

593-89-5 Methylchloroarsine (mg/m³)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.63	0.14	0.053	0.015	0.0063
AEGL 3	1.9	0.42	0.16	0.044	0.019

598-14-1 Ethyldichloroarsine (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.17	0.057	0.029	NR	NR
AEGL 3	0.52	0.17	0.086	NR	NR

674-82-8 Diketene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	11	7.7	6.0	1.5	0.77
AEGL 3	33	23	18	4.5	2.3

NR = Not recommended due to insufficient data

681-84-5 Tetramethoxy silane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.1	1.1	0.91	0.57	0.38
AEGL 3	1.7	1.7	1.4	0.87	0.43

NR = Not recommended due to insufficient data

684-16-2 Hexafluoroacetone (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.40	0.40	0.20	0.050	0.025
AEGL 3	160	160	80	20	10

696-28-6 Phenyl dichloroarsine (mg/m³)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.37	0.12	0.061	NR	NR
AEGL 3	1.1	0.37	0.18	NR	NR

712-48-1 Diphenylchloroarsine (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.1	0.79	0.39	0.098	0.049
AEGL 3	3.4	2.4	1.2	0.30	0.15

993-00-0 Methyl chlorosilane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	1.8	1.8	1.8	1.8	1.8
AEGL 2	100	43	22	11	11
AEGL 3	620	210	100	26	26

1305-99-3 Calcium phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	2.0	2.0	1.0	0.25	0.13
AEGL 3	3.6	3.6	1.8	0.45	0.23

NR = Not recommended due to insufficient data

1314-84-7 Zinc phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	2.0	2.0	1.0	0.25	0.13
AEGL 3	3.6	3.6	1.8	0.45	0.23

NR = Not recommended due to insufficient data

1327-53-3 Arsenic trioxide (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	3.7	3.7	3.0	1.9	1.2
AEGL 3	11	11	9.1	5.7	3.7

NR = Not recommended due to insufficient data

1634-04-4 Methyl-tertiary-butyl ether (MTBE) (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	50	50	50	50	50
AEGL 2	1400	800	570	400	400
AEGL 3	**	*7500	*5300	*2700	*1900

Lower Explosive Limit (LEL) = (16,000)

* = ≥10% LEL

** = ≥50% LEL

AEGL 3 - 10 min = ** 13,000 ppm

For values denoted as * safety considerations against the hazard(s) of explosion(s) must be taken into account.

For values denoted as ** extreme safety considerations against the hazard(s) of explosion(s) must be taken into account

1885-14-9 Phenyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.24	0.24	0.19	0.12	0.060
AEGL 3	0.72	0.72	0.57	0.36	0.18

NR = Not recommended due to insufficient data

2487-90-3 Trimethoxysilane (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR

December 9, 2007 PROPOSED AEGLS (64)

AEGL 2	2.9	1.4	0.83	0.33	0.20
AEGL 3	8.8	4.1	2.5	0.98	0.61

NR = Not recommended due to insufficient data

2937-50-0

Allyl chloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.3	0.87	0.70	0.18	0.090
AEGL 3	3.8	2.6	2.1	0.53	0.26

NR = Not recommended due to insufficient data

2941-64-2

Ethylchlorothioformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	0.33	0.33	0.26	0.17	0.083
AEGL 3	1.0	1.0	0.79	0.50	0.25

NR = Not recommended due to insufficient data

3173-53-3

Cyclohexyl isocyanate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	NR	NR	NR	NR	NR
AEGL 3	0.13	0.13	0.10	0.064	0.042

NR = Not recommended due to insufficient data

7439-97-6

Mercury Vapor (mg/m³)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	3.1	2.1	1.7	0.67	0.33
AEGL 3	16	11	8.9	2.2	2.2

NR = Not recommended due to insufficient data

7719-09-7

Thionyl chloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.3	3.0	2.4	0.59	0.30
AEGL 3	25	17	14	3.4	1.7

NR = Not recommended due to insufficient data

7783-41-7

Oxygen difluoride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.3	1.6	0.83	0.24	0.13
AEGL 3	13	4.7	2.5	0.71	0.38

NR = Not recommended due to insufficient data

7783-79-1

Selenium hexafluoride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.067	0.067	0.053	0.033	0.017
AEGL 2	0.11	0.11	0.087	0.057	0.028
AEGL 3	0.33	0.33	0.26	0.17	0.083

7791-25-5

Sulfuryl chloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.7	4.7	3.7	2.3	1.2
AEGL 3	14	14	11	7.0	3.5

NR = Not recommended due to insufficient data

7803-62-5

Silane (ppm)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	100	100	100	NR	NR
AEGL 2	170	170	130	80	42
AEGL 3	300	300	270	170	80

NR = Not recommended due to insufficient data

12057-74-8 Magnesium phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	2.0	2.0	1.0	0.25	0.13
AEGL 3	3.6	3.6	1.8	0.45	0.23

NR = Not recommended due to insufficient data

12058-85-4 Sodium phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	4.0	2.0	0.50	0.25
AEGL 3	7.2	7.2	3.6	0.90	0.45

NR = Not recommended due to insufficient data

12504-13-1 Strontium phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	2.0	2.0	1.0	0.25	0.13
AEGL 3	3.6	3.6	1.8	0.45	0.23

NR = Not recommended due to insufficient data

13863-41-7 Bromine chloride (ppm)

December 9, 2007 PROPOSED AEGLS (64)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	0.50	0.50	0.50	0.50	0.50
AEGL 2	3.2	3.2	2.5	1.6	1.2
AEGL 3	9.5	9.5	7.6	4.8	3.5

20770-41-6

Potassium phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	4.0	2.0	0.50	0.25
AEGL 3	7.2	7.2	3.6	0.90	0.45

NR = Not recommended due to insufficient data

20859-73-8

Aluminum phosphide (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	4.0	4.0	2.0	0.50	0.25
AEGL 3	7.2	7.2	3.6	0.90	0.45

NR = Not recommended due to insufficient data

24468-13-1

2-Ethylhexylchloroformate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	1.2	1.2	0.97	0.60	0.30
AEGL 3	3.6	3.6	2.9	1.8	0.91

NR = Not recommended due to insufficient data

December 9, 2007 HOLDING AEGLS (13)

Holding Status AEGLs have been reviewed by the NAC/AEGL Committee and are under further review. At this time values are not being developed.

75-36-5 Acetyl Chloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

76-02-8 Trichloroacetyl Chloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

80-63-7 Methyl 2-chloroacrylate (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

97-02-9 2,4-Dinitroaniline (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

December 9, 2007 HOLDING AEGLS (13)

503-38-8

Diphosgene (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1	NR	NR	NR	NR	NR
AEGL 2	NR	NR	NR	NR	NR
AEGL 3	NR	NR	NR	NR	NR

NR = Not recommended due to insufficient data

506-77-4

Cyanogen chloride (ppm)

	30 min	60 min	4 hr	8 hr
AEGL 1				
AEGL 2				
AEGL 3				

556-64-9

Methyl thiocyanate

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

814-68-6

Acrylyl chloride (ppm)

	30 min	60 min	4 hr	8 hr
AEGL 1				
AEGL 2				
AEGL 3				

7783-60-0

Sulfur tetrafluoride (ppm)

	30 min	60 min	4 hr	8 hr
AEGL 1				
AEGL 2				
AEGL 3				

December 9, 2007 HOLDING AEGLS (13)

7784-34-1

Arsenic trichloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

7803-49-8

Hydroxylamine (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

AEGL values were not derived due to absence of data

10294-34-5

Boron Trichloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					

10545-99-0

Sulfur dichloride (ppm)

	10 min	30 min	60 min	4 hr	8 hr
AEGL 1					
AEGL 2					
AEGL 3					