

4717.7500 TABLE OF HEALTH RISK LIMITS.

Subpart 1. **Generally.** This part contains the table of the health risk limits. For each substance or chemical listed in a subpart, the information required by part 4717.7400 shall be specified in the manner required by this subpart.

CAS RN	RfD* (milligrams per kilogram per day)	Slope factor* (the inverse of milligrams per kilogram per day)	Health Risk Limit (micrograms per liter)
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Subp. 2. **Acenaphthene.** Acenaphthene:

83-32-9	0.06	—	400
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Subp. 3. [Repealed, 35 SR 1395]

Subp. 3a. [Repealed, 35 SR 1395]

Subp. 4. **Aldicarb.** Aldicarb:

116-06-3	0.0002	—	1
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Subp. 4a. **Allyl chloride (3 chloropropene).** Allyl chloride (3 chloropropene):

107-05-1	0.05 (C)	—	30
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Subp. 5. **Anthracene.** Anthracene:

120-12-7	0.3	—	2,000
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Subp. 6. **Antimony.** Antimony:

7440-36-0	0.0004	—	6
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Subp. 6a. [Repealed, 35 SR 1395]

Subp. 7. **Barium.** Barium:

7440-39-3	0.07	—	2,000
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Subp. 8. [Repealed, 35 SR 1395]

Subp. 9. **Benzoic acid.** Benzoic acid:

65-85-0	4	—	30,000
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Subp. 10. **Beryllium.** Beryllium:

7440-41-7	–	4.3	0.08
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Subp. 11. **1,1-Biphenyl (Diphenyl).** 1,1-Biphenyl (Diphenyl):

92-52-4	0.05	–	300
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Subp. 12. **Bis(chloroethyl)ether (BCEE).** Bis(chloroethyl)ether (BCEE):

111-44-4	–	1.1	0.3
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Subp. 13. **Bis(chloromethyl)ether (BCME).** Bis(chloromethyl)ether (BCME):

542-88-1	–	220	0.002
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Subp. 14. [Repealed, 35 SR 1395]

Subp. 15. **Bromodichloromethane.** Bromodichloromethane:

75-27-4	–	0.062	6
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Subp. 16. **Bromoform.** Bromoform:

75-25-2	–	0.0079	40
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Subp. 17. **Bromomethane (Methyl bromide).** Bromomethane (Methyl bromide):

74-83-9	0.0014	–	10
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Subp. 18. **n-Butanol.** n-Butanol:

71-36-3	0.1	–	700
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Subp. 19. **Butyl benzyl phthalate.** Butyl benzyl phthalate:

85-68-7	0.2 (C)	–	100
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Subp. 20. **Butylphthalyl butylglycolate (BPBG).** Butylphthalyl butylglycolate (BPBG):

85-70-1	1	–	7,000
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Subp. 21. **Cadmium.** Cadmium:

7440-43-9	0.0005	–	4
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Subp. 22. **Carbon disulfide.** Carbon disulfide:

75-15-0	0.1	—	700
Subp. 23. [Repealed, 38 SR 397]			
Subp. 23a. Chloramben. Chloramben:			
133-90-4	0.015	—	100
Subp. 24. Chlorobenzene. Chlorobenzene:			
108-90-7	0.02	—	100
Subp. 25. [Repealed, 35 SR 1395]			
Subp. 26. 2-Chlorophenol. 2-Chlorophenol:			
95-57-8	0.005	—	30
Subp. 26a. Chlorothalonil. Chlorothalonil:			
1897-45-6	—	0.011	30
Subp. 26b. Chromium III. Chromium III:			
16065-83-1	1	—	20,000
Subp. 27. Chromium VI. Chromium VI:			
18540-29-9	0.005	—	100
Subp. 28. Cumene (Isopropyl benzene). Cumene (Isopropyl benzene):			
98-82-8	0.04	—	300
Subp. 29. Cyanide, free. Cyanide, free:			
57-12-5	0.02	—	100
Subp. 30. Dibromochloromethane. Dibromochloromethane:			
124-48-1	0.02 (C)	—	10
Subp. 31. 1,2-Dibromoethane (Ethylene dibromide, EDB). 1,2-Dibromoethane (Ethylene dibromide, EDB):			
106-93-4	—	85	0.004
Subp. 32. Dibutyl phthalate. Dibutyl phthalate:			

84-74-2	0.1	—	700
Subp. 33. Dicamba. Dicamba:			
1918-00-9	0.03	—	200
Subp. 34. 1,2-Dichlorobenzene. 1,2-Dichlorobenzene:			
95-50-1	0.09	—	600
Subp. 34a. 1,4-Dichlorobenzene (para). 1,4-Dichlorobenzene (para):			
106-46-7	—	0.024	10
Subp. 35. 3,3'-Dichlorobenzidine. 3,3'-Dichlorobenzidine:			
91-94-1	—	0.45	0.8
Subp. 36. [Repealed, 35 SR 1395]			
Subp. 37. p,p'-Dichlorodiphenyl dichloroethane (DDD). p,p'-Dichlorodiphenyl dichloroethane (DDD):			
72-54-8	—	0.24	1
Subp. 38. p,p'-Dichlorodiphenyldichloroethylene (DDE). p,p'-Dichlorodiphenyldichloroethylene (DDE):			
72-55-9	—	0.34	1
Subp. 39. p,p'-Dichlorodiphenyltrichloroethane (DDT). p,p'-Dichlorodiphenyltrichloroethane (DDT):			
50-29-3	—	0.34	1
Subp. 39a. [Repealed, 35 SR 1395]			
Subp. 40. [Repealed, 38 SR 397]			
Subp. 40a. [Repealed, 35 SR 1395]			
Subp. 41. [Repealed, 35 SR 1395]			
Subp. 42. [Repealed, 38 SR 397]			
Subp. 43. [Repealed, 35 SR 1395]			
Subp. 44. 2,4-Dichlorophenol. 2,4-Dichlorophenol:			

120-83-2	0.003	–	20
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Subp. 45. **2,4-Dichlorophenoxyacetic acid (2,4-D)**. 2,4-Dichlorophenoxyacetic acid (2,4-D):

94-75-7	0.01	–	70
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Subp. 45a. **1,2-Dichloropropane**. 1,2-Dichloropropane:

78-87-5	–	0.068	5
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Subp. 45b. **1,3-Dichloropropene**. 1,3-Dichloropropene:

542-75-6	–	0.18	2
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Subp. 46. [Repealed, 35 SR 1395]

Subp. 47. **Diethyl phthalate**. Diethyl phthalate:

84-66-2	0.8	–	6,000
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Subp. 48. **2,4-Dimethylphenol**. 2,4-Dimethylphenol:

105-67-9	0.02	–	100
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Subp. 48a. **Dimethylphthalate**. Dimethylphthalate:

131-11-3	10	–	70,000
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Subp. 49. **2,4-Dinitrophenol**. 2,4-Dinitrophenol:

51-28-5	0.002	–	10
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Subp. 49a. **Disulfoton**. Disulfoton:

298-04-4	0.00004	–	0.3
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Subp. 50. [Repealed, 35 SR 1395]

Subp. 51. **S-Ethyl dipropylthiocarbamate (EPTC)**. S-Ethyl dipropylthiocarbamate (EPTC):

759-94-4	0.025	–	200
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Subp. 52. [Repealed, 35 SR 1395]

Subp. 52a. [Repealed, 35 SR 1395]

Subp. 53. Fluoranthene. Fluoranthene:			
206-44-0	0.04	–	300
Subp. 54. Fluorene (9H-Fluorene). Fluorene (9H-Fluorene):			
86-73-7	0.04	–	300
Subp. 54a. Formaldehyde. Formaldehyde:			
50-00-0	0.2	–	1,000
Subp. 55. Heptachlor. Heptachlor:			
76-44-8	–	4.5	0.08
Subp. 56. Heptachlor epoxide. Heptachlor epoxide:			
1024-57-3	–	9.1	0.04
Subp. 57. Hexachlorobenzene. Hexachlorobenzene:			
118-74-1	–	1.6	0.2
Subp. 58. Hexachlorobutadiene. Hexachlorobutadiene:			
87-68-3	0.002 (C)	–	1
Subp. 58a. Hexane (n-hexane). Hexane (n-hexane):			
110-54-3	0.06	–	400
Subp. 59. Isophorone. Isophorone:			
78-59-1	0.2 (C)	–	100
Subp. 60. Linuron. Linuron:			
330-55-2	0.002 (C)	–	1
Subp. 61. Manganese. Manganese:			
7439-96-5	0.005	–	100
Subp. 61a. Methanol. Methanol:			
67-56-1	0.5	–	3,000

Subp. 62. **2-Methyl-4-chlorophenoxyacetic acid (MCPA).** 2-Methyl-4-chlorophenoxyacetic acid (MCPA):

94-74-6	0.0005	—	3
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Subp. 62a. **Methyl ethyl ketone (MEK, 2-butanone).** Methyl ethyl ketone (MEK, 2-butanone):

78-93-3	0.6	—	4,000
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Subp. 62b. **Methyl isobutyl ketone (MIBK).** Methyl isobutyl ketone (MIBK):

108-10-1	0.05	—	300
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Subp. 63. **2-Methylphenol (o-cresol).** 2-Methylphenol (o-cresol):

95-48-7	0.05 (C)	—	30
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Subp. 64. **3-Methylphenol (m-cresol).** 3-Methylphenol (m-cresol):

108-39-4	0.05 (C)	—	30
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Subp. 64a. **4-Methylphenol (p-cresol).** 4-Methylphenol (p-cresol):

106-44-5	0.005 (C)	—	3
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Subp. 65. [Repealed, 35 SR 1395]

Subp. 66. [Repealed, 38 SR 397]

Subp. 66a. [Repealed, 38 SR 397]

Subp. 67. **Nickel, soluble salts.** Nickel, soluble salts:

7440-02-0	0.02	—	100
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Subp. 68. [Repealed, 35 SR 1395]

Subp. 69. **N-Nitrosodiphenylamine.** N-Nitrosodiphenylamine:

86-30-6	—	0.0049	70
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Subp. 70. [Repealed, 35 SR 1395]

Subp. 70a. MR 2008 [Expired]

Subp. 70b. MR 2008 [Expired]

Subp. 71. **Phenol.** Phenol:

108-95-2	0.6	—	4,000
Subp. 72. Picloram. Picloram:			
1918-02-1	0.07	—	500
Subp. 72a. Polychlorinated biphenyls (PCBs). Polychlorinated biphenyls (PCBs):			
1336-36-3	—	7.7	.04
Subp. 73. Prometon. Prometon:			
1610-18-0	0.015	—	100
Subp. 74. Propachlor. Propachlor:			
1918-16-7	0.013	—	90
Subp. 75. Pyrene. Pyrene:			
129-00-0	0.03	—	200
Subp. 76. Selenium. Selenium:			
7782-49-2	0.005	—	30
Subp. 77. Silver. Silver:			
7440-22-4	0.005	—	30
Subp. 77a. [Repealed, 35 SR 1395]			
Subp. 78. 1,1,1,2-Tetrachloroethane. 1,1,1,2-Tetrachloroethane:			
630-20-6	0.03 (C)	—	70
Subp. 78a. 1,1,2,2-Tetrachloroethane. 1,1,2,2-Tetrachloroethane:			
79-34-5	—	0.2 (C)	2
Subp. 78b. [Repealed, 35 SR 1395]			
Subp. 78c. Thallium salts. Thallium salts:			
7440-28-0	0.00008	—	0.6
Subp. 78d. Tin. Tin:			

7440-31-5	0.6	–	4,000
Subp. 79. [Repealed, 35 SR 1395]			
Subp. 80. Toxaphene. Toxaphene:			
8001-35-2	–	1.1	0.3
Subp. 80a. [Repealed, 35 SR 1395]			
Subp. 81. 1,1,2-Trichloroethane. 1,1,2-Trichloroethane:			
79-00-5	0.004 (C)	–	3
Subp. 81a. [Repealed, 35 SR 1395]			
Subp. 82. Trichlorofluoromethane. Trichlorofluoromethane:			
75-69-4	0.3	–	2,000
Subp. 83. 2,4,6-Trichlorophenol. 2,4,6-Trichlorophenol:			
88-06-2	–	0.011	30
Subp. 84. 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T). 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T):			
93-76-5	0.01	–	70
Subp. 85. [Repealed, 35 SR 1395]			
Subp. 86. [Repealed, 38 SR 397]			
Subp.		87. 1,1,2-Trichloro-1,2,2-trifluoroethane.	
1,1,2-Trichloro-1,2,2-trifluoroethane:			
76-13-1	30	–	200,000
Subp. 88. 1,3,5-Trinitrobenzene. 1,3,5-Trinitrobenzene:			
99-35-4	0.00005	–	0.3
Subp. 88a. Vanadium. Vanadium:			
7440-62-2	0.007	–	50
Subp. 88b. [Repealed, 35 SR 1395]			
Subp. 89. [Repealed, 35 SR 1395]			

Subp. 89a. **Zinc.** Zinc:

7440-66-6	0.3	–	2,000
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Subp. 90. **Reference doses and slope factors.** For purposes of this part:

* Substances or chemicals that have an RfD or slope factor annotated with a (C) are classified by the United States Environmental Protection Agency as possible human carcinogens.

Statutory Authority: *MS s 103H.201; L 2007 c 37*

History: *18 SR 1340; 19 SR 1191; 32 SR 373; 35 SR 1395; 38 SR 397*

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