

US EPA ARCHIVE DOCUMENT

APPENDIX A-3

SOIL SATURATION CONCENTRATIONS AND PHYSICAL STATES AT AMBIENT TEMPERATURE OF CHEMICALS CONSIDERED FOR DELISTING

(adopted from Region 6 Human Health Screening Levels and Region 8 Soil Saturation Levels)

**SOIL SATURATION CONCENTRATIONS AND PHYSICAL STATES AT AMBIENT
TEMPERATURE OF CHEMICALS CONSIDERED FOR DELISTING**
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Chemical Name	Concentration (mg/kg)	Physical State
Acenaphthene	1.8E+02	Solid
Acetaldehyde	2.1E+05	Liquid
Acetone	1.0E+05	Liquid
Acetonitrile	1.9E+05	Liquid
Acetophenone	1.7E+03	Liquid
Acrolein	4.8E+04	Liquid
Acrylonitrile	8.4E+03	Liquid
Anthracene	6.1E+00	Solid
Benzene	9.0E+02	Liquid
Benzyl chloride	1.3E+03	Liquid
1,1-Biphenyl	3.5E+02	Liquid
Bis(2-chloroethyl)ether	9.6E+03	Liquid
Bis(2-chloroisopropyl)ether	7.9E+02	Liquid
Bis(chloromethyl)ether	2.4E+03	Liquid
Bis-(2-ethylhexyl)phthalate	3.1E+04	Liquid
Bromobenzene	6.9E+02	Liquid
Bromodichloromethane	4.8E+03	Liquid
Bromoform	1.9E+03	Liquid
Bromomethane	3.1E+03	Liquid
1,3-Butadiene	1.6E+03	Liquid
Butanol	1.1E+04	Liquid
n-Butylbenzene	2.4E+02	Liquid
sec-Butylbenzene	2.2E+02	Liquid
tert-Butylbenzene	3.9E+02	Liquid

Chemical Name	Concentration (mg/kg)	Physical State
Butyl benzyl phthalate	9.3E+02	Liquid
Carbazole	1.5E+02	Solid
Carbon disulfide	7.2E+02	Liquid
Carbon tetrachloride	9.9E+02	Liquid
2-Chloroacetophenone	1.1E+03	Liquid
p-Chloroaniline	2.6E+03	Solid
Chlorobenzene	8.7E+02	Liquid
2-Chloro-1,3-butadiene	4.8E+02	Liquid
1-Chlorobutane	4.8E+02	Liquid
1-Chloro-1,1-difluoroethane	3.4E+02	Liquid
Chlorodibromomethane	1.3E+03	Liquid
Chlorodifluoromethane	3.4E+02	Liquid
Chloroform	3.5E+03	Liquid
Chloromethane	4.0E+03	Liquid
beta-Chloronaphthalene	1.1E+02	Liquid
2-Chlorophenol	5.5E+04	Liquid
2-Chloropropane	1.1E+03	Liquid
o-Chlorotoluene	5.1E+02	Liquid
Chrysene	3.8E+00	Solid
Crotonaldehyde	1.4E+02	Liquid
Cumene (isopropylbenzene)	6.5E+02	Liquid
Hydrogen cyanide	2.1E+05	Liquid
Dibenzofuran	1.4E+02	Liquid
1,2-Dibromoethane	9.2E+02	Liquid
1,2-Dichlorobenzene	6.0E+02	Liquid
1,3-Dichlorobenzene	3.7E+02	Liquid

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Chemical Name	Concentration (mg/kg)	Physical State
1,4-Dichlorobenzene	2.8E+02	Solid
3,3-Dichlorobenzidene	1.4E+01	Solid
1,4-Dichloro-2-butene	1.1E+03	Liquid
Dichlorodifluoromethane	3.4E+02	Liquid
1,1-Dichloroethane	2.3E+03	Liquid
1,2-Dichloroethane (EDC)	2.9E+03	Liquid
1,1-Dichloroethylene	1.6E+03	Liquid
1,2-Dichloroethylene (cis)	1.2E+03	Liquid
1,2-Dichloroethylene (trans)	3.0E+03	Liquid
2,4-Dichlorophenol	4.4E+03	Solid
1,2-Dichloropropane	1.1E+03	Liquid
1,3-Dichloropropene	1.1E+03	Liquid
Dicyclopentadiene	6.5E+03	Liquid
Dimethylamine	1.1E+05	Liquid
2,4-Dimethylphenol	1.1E+04	Solid
Dimethylphthalate	2.0E+03	Liquid
Di-n-butylphthalate	2.3E+03	Liquid
Di-n-octylphthalate	1.0E+04	Liquid
2,4-Dinitrophenol	2.8E+02	Solid
2,4-Dinitrotoluene	1.8E+02	Solid
2,6-Dinitrotoluene	9.4E+01	Solid
Epichlorohydrin	7.3E+03	Liquid
Ethyl acetate	3.7E+04	Liquid
Ethyl acrylate	1.4E+02	Liquid

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Ethylbenzene	2.3E+02	Liquid
Ethyl chloride	1.6E+03	Liquid
Ethylene oxide	1.1E+05	Liquid
Ethyl ether	1.8E+03	Liquid
Ethyl methacrylate	1.4E+02	Liquid
Fluorene	9.0E+01	Solid
Furan	2.2E+03	Liquid
n-Hexane	1.1E+02	Liquid
Hexachlorocyclopentadiene	2.1E+03	Liquid
Hexachloroethane	5.4E+02	Solid
Isobutanol	4.0E+04	Liquid
Isophorone	4.6E+03	Liquid
Maleic hydrazide	2.4E+03	Liquid
Methacrylonitrile	8.4E+03	Liquid
Methomyl	8.2E+04	Liquid
Methyl acetate	1.1E+05	Liquid
Methyl acrylate	4.2E+02	Liquid
Methylene chloride	2.3E+03	Liquid
Methyl bromide	3.2E+03	Liquid
Methyl ethyl ketone	3.4E+04	Liquid
Methyl isobutyl ketone	1.7E+04	Liquid
Methyl methacrylate	2.7E+03	Liquid
2-Methylphenol	1.7E+04	Solid
Methyl styrene (mixture)	6.8E+02	Liquid

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Methyl styrene (alpha)	6.8E+02	Liquid
Naphthalene	3.8E+02	Solid
Nitrobenzene	1.0E+03	Liquid
N-Nitrosodi-n-butylamine	2.1E+03	Liquid
N-Nitrosodiphenolamine	2.8E+02	Solid
N-Nitroso-n-propylamine	2.4E+03	Solid
Pentachlorophenol	7.1E+03	Solid
Phenol	2.3E+04	Solid
iso-Propylbenzene	3.9E+02	Liquid
n-Propylbenzene	2.4E+02	Liquid
Propylene oxide	1.2E+05	Liquid
Pyrene	5.5E+01	Solid
Styrene	1.7E+03	Liquid
1,1,1,2-Tetrachloroethane	1.7E+03	Liquid
1,1,2,2-Tetrachloroethane	1.7E+03	Liquid
Tetrachloroethylene (PCE)	3.7E+02	Liquid
Toluene	5.2E+02	Liquid
1,2,4-Trichlorobenzene	3.2E+03	Liquid
1,1,1-Trichloroethane	1.4E+03	Liquid
1,1,2-Trichloroethane	2.5E+03	Liquid
Trichloroethylene (TCE)	1.3E+03	Liquid
Trichlorofluoromethane	2.0E+03	Liquid
2,4,5-Trichlorophenol	1.9E+03	Solid
2,4,6-Trichlorophenol	1.2E+04	Solid
2,4,6-Trichloropropane	1.9E+03	Liquid

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1,1,2-Trichloropropane	1.7E+03	Liquid
1,2,3-Trichloropropene	1.7E+03	Liquid
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6E+03	Liquid
Triethylamine	1.1E+05	Liquid
1,2,4-Trimethylbenzene	5.7E+00	Liquid
1,3,5-Trimethylbenzene	2.5E+02	Solid
Vinyl acetate	2.7E+03	Liquid
Vinyl bromide	1.6E+04	Liquid
Vinyl chloride	1.2E+03	Liquid
Xylenes	4.3E+02	Liquid