



DOCUMENTATION FOR IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONCENTRATIONS (IDLHs)*

NIOSH CHEMICAL LISTING AND DOCUMENTATION OF REVISED IDLH VALUES (AS OF 3/1/95)

Questions should be directed to: Heinz Ahlers [NIOSH, Taft Laboratories, MS 31, 4676 Columbia Parkway, Cincinnati, Ohio 45226 (513)33-8407].

SUBSTANCE	ORIGINAL IDLH VALUE	REVISED IDLH VALUE
<u>Acetaldehyde</u>	10,000 ppm	2,000 ppm
<u>Acetic acid</u>	1,000 ppm	50 ppm
<u>Acetic anhydride</u>	1,000 ppm	200 ppm
<u>Acetone</u>	20,000 ppm	2,500 ppm [LEL]
<u>Acetonitrile</u>	4,000 ppm	500 ppm
<u>Acetylene tetrabromide</u>	10 ppm	8 ppm
<u>Acrolein</u>	5 ppm	2 ppm
<u>Acrylamide</u>	Unknown	60 mg/m ³
<u>Acrylonitrile</u>	500 ppm	85 ppm
<u>Aldrin</u>	100 mg/m ³	25 mg/m ³
<u>Allyl alcohol</u>	150 ppm	20 ppm
<u>Allyl chloride</u>	300 ppm	250 ppm
<u>Allyl glycidyl ether</u>	270 ppm	50 ppm
<u>2 Aminopyridine</u>	5 ppm	5 ppm [Unch]
<u>Ammonia</u>	500 ppm	300 ppm
<u>Ammonium sulfate</u>	5,000 mg/m ³	1,500 mg/m ³
<u>n-Amyl acetate</u>	4,000 ppm	1,000 ppm
<u>sec-Amyl acetate</u>	9,000 ppm	1,000 ppm
<u>Aniline</u>	100 ppm	100 ppm [Unch]
<u>o-Anisidine</u>	50 mg/m ³	50 mg/m ³ [Unch]
<u>p-Anisidine</u>	50 mg/m ³	50 mg/m ³ [Unch]
<u>Antimony compounds (as Sb)</u>	80 mg Sb/m ³	50 mg Sb/m ³
<u>ANTU</u>	100 mg/m ³	100 mg/m ³ [Unch]
<u>Arsenic (inorganic compounds, as As)</u>	100 mg As/m ³	5 mg As/m ³
<u>Arsine</u>	6 ppm	3 ppm
<u>Azinphosmethyl</u>	20 mg/m ³	10 mg/m ³
<u>Barium (soluble compounds, as Ba)</u>	1,100 mg Ba/m ³	50 mg Ba/m ³
<u>Benzene</u>	3,000 ppm	500 ppm
<u>Benzoyl peroxide</u>	7,000 mg/m ³	1,500 mg/m ³
<u>Benzyl chloride</u>	10 ppm	10 ppm [Unch]
<u>Beryllium compounds (as Be)</u>	10 mg Be/m ³	4 mg Be/m ³
<u>Boron oxide</u>	N.E.	2,000 mg/m ³
<u>Boron trifluoride</u>	100 ppm	25 ppm
<u>Bromine</u>	10 ppm	3 ppm
<u>Bromoform</u>	Unknown	850 ppm
<u>1,3-Butadiene</u>	20,000 ppm [LEL]	2,000 ppm [LEL]
<u>2-Butanone</u>	3,000 ppm	3,000 ppm [Unch]
<u>2-Butoxyethanol</u>	700 ppm	700 ppm [Unch]

<u>n-Butyl acetate</u>	10,000 ppm	1,700 ppm [LEL]
<u>sec-Butyl acetate</u>	10,000 ppm	1,700 ppm [LEL]
<u>tert-Butyl acetate</u>	10,000 ppm	1,500 ppm [LEL]
<u>n-Butyl alcohol</u>	8,000 ppm	1,400 ppm [LEL]
<u>sec-Butyl alcohol</u>	10,000 ppm	2,000 ppm
<u>tert-Butyl alcohol</u>	8,000 ppm	1,600 ppm
<u>n-Butylamine</u>	2,000 ppm	300 ppm
<u>tert-Butyl chromate</u>	30 mg/m ³ (as CrO ₃)	15 mg Cr(VI)/m ³
<u>n-Butyl glycidyl ether</u>	3,500 ppm	250 ppm
<u>n-Butyl mercaptan</u>	2,500 ppm	500 ppm
<u>p-tert-Butyltoluene</u>	1,000 ppm	100 ppm
<u>Cadmium dust (as Cd)</u>	50 mg Cd/m ³	9 mg Cd/m ³
<u>Cadmium fume (as Cd)</u>	9 mg Cd/m ³	9 mg Cd/m ³ [Unch h]
<u>Calcium arsenate (as As)</u>	100 mg As/m ³	5 mg As/m ³
<u>Calcium oxide</u>	Unknown	25 mg/m ³
<u>Camphor (synthetic)</u>	200 mg/m ³	200 mg/m ³ [Unch]
<u>Carbaryl</u>	600 mg/m ³	100 mg/m ³
<u>Carbon black</u>	N.E.	1,750 mg/m ³
<u>Carbon dioxide</u>	50,000 ppm	40,000 ppm
<u>Carbon disulfide</u>	500 ppm	500 ppm [Unch]
<u>Carbon monoxide</u>	1,500 ppm	1,200 ppm
<u>Carbon tetrachloride</u>	300 ppm	200 ppm
<u>Chlordane</u>	500 mg/m ³	100 mg/m ³
<u>Chlorinated camphene</u>	200 mg/m ³	200 mg/m ³ [Unch]
<u>Chlorinated diphenyl oxide</u>	Unknown	5 mg/m ³
<u>Chlorine</u>	30 ppm	10 ppm
<u>Chlorine dioxide</u>	10 ppm	5 ppm
<u>Chlorine trifluoride</u>	20 ppm	20 ppm [Unch]
<u>Chloroacetaldehyde</u>	100 ppm	45 ppm
<u>alpha-Chloroacetophenone</u>	100 mg/m ³	15 mg/m ³
<u>Chlorobenzene</u>	2,400 ppm	1,000 ppm
<u>o-Chlorobenzylidene malononitrile</u>	2 mg/m ³	2 mg/m ³ [Unch]
<u>Chlorobromomethane</u>	5,000 ppm	2,000 ppm
<u>Chlorodiphenyl (42% chlorine)</u>	10 mg/m ³	5 mg/m ³
<u>Chlorodiphenyl (54% chlorine)</u>	5 mg/m ³	5 mg/m ³ [Unch]
<u>Chloroform</u>	1,000 ppm	500 ppm
<u>1-Chloro-1-nitropropane</u>	2,000 ppm	100 ppm
<u>Chloropicrin</u>	4 ppm	2 ppm
<u>beta-Chloroprene</u>	400 ppm	300 ppm
<u>Chromic acid and chromates</u>	30 mg/m ³ (as CrO ₃)	15 mg Cr(VI)/m ³
<u>Chromium (II) compounds [as Cr(II)]</u>	N.E.	250 mg Cr(II)/m ³
<u>Chromium (III) compounds [as Cr(III)]</u>	N.E.	25 mg Cr(III)/m ³
<u>Chromium metal (as Cr)</u>	N.E.	250 mg Cr/m ³
<u>Coal tar pitch volatiles</u>	700 mg/m ³	80 mg/m ³
<u>Cobalt metal, dust and fume (as Co)</u>	20 mg Co/m ³	20 mg Co/m ³ [Unch]
<u>Copper (dusts and mists, as Cu)</u>	N.E.	100 mg Cu/m ³
<u>Copper fume (as Cu)</u>	N.E.	100 mg Cu/m ³
<u>Cotton dust (raw)</u>	N.E.	100 mg/m ³
<u>Crag (r) herbicide</u>	5,000 mg/m ³	500 mg/m ³
<u>Cresol (o, m, p isomers)</u>	250 ppm	250 ppm [Unch]
<u>Crotonaldehyde</u>	400 ppm	50 ppm
<u>Cumene</u>	8,000 ppm	900 ppm [LEL]

<u>Cyanides (as CN)</u>	50 mg/m ³ (as CN)	25 mg/m ³ (as CN)
<u>Cyclohexane</u>	10,000 ppm	1,300 ppm [LEL]
<u>Cyclohexanol</u>	3,500 ppm	400 ppm
<u>Cyclohexanone</u>	5,000 ppm	700 ppm
<u>Cyclohexene</u>	10,000 ppm	2,000 ppm
<u>Cyclopentadiene</u>	2,000 ppm	750 ppm
<u>2,4-D</u>	500 mg/m ³	100 mg/m ³
<u>DDT</u>	N.E.	500 mg/m ³
<u>Decaborane</u>	100 mg/m ³	15 mg/m ³
<u>Demeton</u>	20 mg/m ³	10 mg/m ³
<u>Diacetone alcohol</u>	2,100 ppm	1,800 ppm [LEL]
<u>Diazomethane</u>	2 ppm	2 ppm [Unch]
<u>Diborane</u>	40 ppm	15 ppm
<u>Dibutyl phosphate</u>	125 ppm	30 ppm
<u>Dibutyl phthalate</u>	9,300 mg/m ³	4,000 mg/m ³
<u>o-Dichlorobenzene</u>	1,000 ppm	200 ppm
<u>p-Dichlorobenzene</u>	1,000 ppm	150 ppm
<u>Dichlorodifluoromethane</u>	50,000 ppm	15,000 ppm
<u>1,3-Dichloro 5,5-dimethylhydantoin</u>	Unknown	5 mg/m ³
<u>1,1-Dichloroethane</u>	4,000 ppm	3,000 ppm
<u>1,2-Dichloroethylene</u>	4,000 ppm	1,000 ppm
<u>Dichloroethyl ether</u>	250 ppm	100 ppm
<u>Dichloromonofluoromethane</u>	50,000 ppm	5,000 ppm
<u>1,1-Dichloro 1-nitroethane</u>	150 ppm	25 ppm
<u>Dichlorotetrafluoroethane</u>	50,000 ppm	15,000 ppm
<u>Dichlorvos</u>	200 mg/m ³	100 mg/m ³
<u>Dieldrin</u>	450 mg/m ³	50 mg/m ³
<u>Diethylamine</u>	2,000 ppm	200 ppm
<u>2-Diethylaminoethanol</u>	500 ppm	100 ppm
<u>Difluorodibromomethane</u>	2,500 ppm	2,000 ppm
<u>Diglycidyl ether</u>	25 ppm	10 ppm
<u>Diisobutyl ketone</u>	2,000 ppm	500 ppm
<u>Diisopropylamine</u>	1,000 ppm	200 ppm
<u>Dimethyl acetamide</u>	400 ppm	300 ppm
<u>Dimethylamine</u>	2,000 ppm	500 ppm
<u>N,N-Dimethylaniline</u>	100 ppm	100 ppm [Unch]
<u>Dimethyl 1,2-dibromo 2,2-dichloroethyl phosphate</u>	1,800 mg/m ³	200 mg/m ³
<u>Dimethylformamide</u>	3,500 ppm	500 ppm
<u>1,1-Dimethylhydrazine</u>	50 ppm	15 ppm
<u>Dimethylphthalate</u>	9,300 mg/m ³	2,000 mg/m ³
<u>Dimethyl sulfide</u>	10 ppm	7 ppm
<u>Dinitrobenzene (o, m, p isomers)</u>	200 mg/m ³	50 mg/m ³
<u>Dinitroocresol</u>	5 mg/m ³	5 mg/m ³ [Unch]
<u>Dinitrotoluene</u>	200 mg/m ³	50 mg/m ³
<u>Di sec-octyl phthalate</u>	Unknown	5,000 mg/m ³
<u>Dioxane</u>	2,000 ppm	500 ppm
<u>Diphenyl</u>	300 mg/m ³	100 mg/m ³
<u>Dipropylene glycol methyl ether</u>	Unknown	600 ppm
<u>Endrin</u>	2,000 mg/m ³	2 mg/m ³
<u>Epichlorohydrin</u>	250 ppm	75 ppm
<u>EPN</u>	50 mg/m ³	5 mg/m ³
<u>Ethanolamine</u>	1,000 ppm	30 ppm

<u>2-Ethoxyethanol</u>	6,000 ppm	500 ppm
<u>2-Ethoxyethyl acetate</u>	2,500 ppm	500 ppm
<u>Ethyl acetate</u>	10,000 ppm	2,000 ppm [LEL]
<u>Ethyl acrylate</u>	2,000 ppm	300 ppm
<u>Ethyl alcohol</u>	15,000 ppm	3,300 ppm [LEL]
<u>Ethylamine</u>	4,000 ppm	600 ppm
<u>Ethyl benzene</u>	2,000 ppm	800 ppm [LEL]
<u>Ethyl bromide</u>	3,500 ppm	2,000 ppm
<u>Ethyl butyl ketone</u>	3,000 ppm	1,000 ppm
<u>Ethyl chloride</u>	20,000 ppm	3,800 ppm [LEL]
<u>Ethylene chlorohydrin</u>	10 ppm	7 ppm
<u>Ethylenediamine</u>	2,000 ppm	1,000 ppm
<u>Ethylene dibromide</u>	400 ppm	100 ppm
<u>Ethylene dichloride</u>	1,000 ppm	50 ppm
<u>Ethylene glycol dinitrate</u>	500 mg/m ³	75 mg/m ³
<u>Ethyleneimine</u>	100 ppm	100 ppm [Unch]
<u>Ethylene oxide</u>	800 ppm	800 ppm [Unch]
<u>Ethyl ether</u>	19,000 ppm [LEL]	1,900 ppm [LEL]
<u>Ethyl formate</u>	8,000 ppm	1,500 ppm
<u>Ethyl mercaptan</u>	2,500 ppm	500 ppm
<u>N-Ethylmorpholine</u>	2,000 ppm	100 ppm
<u>Ethyl silicate</u>	1,000 ppm	700 ppm
<u>Ferbam</u>	N.E.	800 mg/m ³
<u>Ferrovandium dust</u>	N.E.	500 mg/m ³
<u>Fluorides (as F)</u>	500 mg F/m ³	250 mg F/m ³
<u>Fluorine</u>	25 ppm	25 ppm [Unch]
<u>Fluorotrichloromethane</u>	10,000 ppm	2,000 ppm
<u>Formaldehyde</u>	30 ppm	20 ppm
<u>Formic acid</u>	30 ppm	30 ppm [Unch]
<u>Furfural</u>	250 ppm	100 ppm
<u>Furfuryl alcohol</u>	250 ppm	75 ppm
<u>Glycidol</u>	500 ppm	150 ppm
<u>Graphite (natural)</u>	N.E.	1,250 mg/m ³
<u>Hafnium compounds (as Hf)</u>	Unknown	50 mg Hf/m ³
<u>Heptachlor</u>	700 mg/m ³	35 mg/m ³
<u>n-Heptane</u>	5,000 ppm	750 ppm
<u>Hexachloroethane</u>	300 ppm	300 ppm [Unch]
<u>Hexachloronaphthalene</u>	2 mg/m ³	2 mg/m ³ [Unch]
<u>n-Hexane</u>	5,000 ppm	1,100 ppm [LEL]
<u>2-Hexanone</u>	5,000 ppm	1,600 ppm
<u>Hexone</u>	3,000 ppm	500 ppm
<u>sec Hexyl acetate</u>	4,000 ppm	500 ppm
<u>Hydrazine</u>	80 ppm	50 ppm
<u>Hydrogen bromide</u>	50 ppm	30 ppm
<u>Hydrogen chloride</u>	100 ppm	50 ppm
<u>Hydrogen cyanide</u>	50 ppm	50 ppm [Unch]
<u>Hydrogen fluoride (as F)</u>	30 ppm	30 ppm [Unch]
<u>Hydrogen peroxide</u>	75 ppm	75 ppm [Unch]
<u>Hydrogen selenide (as Se)</u>	2 ppm	1 ppm
<u>Hydrogen sulfide</u>	300 ppm	100 ppm
<u>Hydroquinone</u>	Unknown	50 mg/m ³
<u>Iodine</u>	10 ppm	2 ppm

<u>Iron oxide dust and fume (as Fe)</u>	N.E.	2,500 mg Fe/m ³
<u>Isoamyl acetate</u>	3,000 ppm	1,000 ppm
<u>Isoamyl alcohol (primary and secondary)</u>	10,000 ppm	500 ppm
<u>Isobutyl acetate</u>	7,500 ppm	1,300 ppm [LEL]
<u>Isobutyl alcohol</u>	8,000 ppm	1,600 ppm
<u>Isophorone</u>	800 ppm	200 ppm
<u>Isopropyl acetate</u>	16,000 ppm	1,800 ppm
<u>Isopropyl alcohol</u>	12,000 ppm	2,000 ppm [LEL]
<u>Isopropylamine</u>	4,000 ppm	750 ppm
<u>Isopropyl ether</u>	10,000 ppm	1,400 ppm [LEL]
<u>Isopropyl glycidyl ether</u>	1,000 ppm	400 ppm
<u>Ketene</u>	Unknown	5 ppm
<u>Lead compounds (as Pb)</u>	700 mg Pb/m ³	100 mg Pb/m ³
<u>Lindane</u>	1,000 mg/m ³	50 mg/m ³
<u>Lithium hydride</u>	55 mg/m ³	0.5 mg/m ³
<u>L.P.G.</u>	19,000 ppm [LEL]	2,000 ppm [LEL]
<u>Magnesium oxide fume</u>	N.E.	750 mg/m ³
<u>Malathion</u>	5,000 mg/m ³	250 mg/m ³
<u>Maleic anhydride</u>	Unknown	10 mg/m ³
<u>Manganese compounds (as Mn)</u>	N.E.	500 mg Mn/m ³
<u>Mercury compounds [except (organo) alkyls. as Hg]</u>	28 mg Hg/m ³	10 mg Hg/m ³
<u>Mercury (organo) alkyl compounds(as Hg)</u>	10 mg Hg/m ³	2 mg Hg/m ³
<u>Mesityl oxide</u>	5,000 ppm	1,400 ppm [LEL]
<u>Methoxychlor</u>	N.E.	5,000 mg/m ³
<u>Methyl acetate</u>	10,000 ppm	3,100 ppm [LEL]
<u>Methyl acetylene</u>	15,000 ppm [LEL]	1,700 ppm [LEL]
<u>Methyl acetylenepropadiene mixture</u>	15,000 ppm	3,400 ppm [LEL]
<u>Methyl acrylate</u>	1,000 ppm	250 ppm
<u>Methylal</u>	15,000 ppm [LEL]	2,200 ppm [LEL]
<u>Methyl alcohol</u>	25,000 ppm	6,000 ppm
<u>Methylamine</u>	100 ppm	100 ppm [Unch]
<u>Methyl (namyl) ketone</u>	4,000 ppm	800 ppm
<u>Methyl bromide</u>	2,000 ppm	250 ppm
<u>Methyl Cellosolve (r)</u>	2,000 ppm	200 ppm
<u>Methyl Cellosolve (r) acetate</u>	4,000 ppm	200 ppm
<u>Methyl chloride</u>	10,000 ppm	2,000 ppm
<u>Methyl chloroform</u>	1,000 ppm	700 ppm
<u>Methylcyclohexane</u>	10,000 ppm	1,200 ppm [LEL]
<u>Methylcyclohexanol</u>	10,000 ppm	500 ppm
<u>o-Methylcyclohexanone</u>	2,500 ppm	600 ppm
<u>Methylene bisphenyl isocyanate</u>	100 mg/m ³	75 mg/m ³
<u>Methylene chloride</u>	5,000 ppm	2,300 ppm
<u>Methyl formate</u>	5,000 ppm	4,500 ppm
<u>5-Methyl 3-heptanone</u>	3,000 ppm	100 ppm
<u>Methyl hydrazine</u>	50 ppm	20 ppm
<u>Methyl iodide</u>	800 ppm	100 ppm
<u>Methyl isobutyl carbinol</u>	2,000 ppm	400 ppm
<u>Methyl isocyanate</u>	20 ppm	3 ppm
<u>Methyl mercaptan</u>	400 ppm	150 ppm
<u>Methyl methacrylate</u>	4,000 ppm	1,000 ppm
<u>Methyl styrene</u>	5,000 ppm	700 ppm
<u>Mica</u>	N.E.	1,500 mg/m ³

<u>Molybdenum (insoluble compounds, as Mo)</u>	N.E.	5,000 mg Mo/m ³
<u>Molybdenum (soluble compounds, as Mo)</u>	N.E.	1,000 mg Mo/m ³
<u>Monomethyl aniline</u>	100 ppm	100 ppm [Unch]
<u>Morpholine</u>	8,000 ppm	1,400 ppm [LEL]
<u>Naphtha (coal tar)</u>	10,000 ppm [LEL]	1,000 ppm [LEL]
<u>Naphthalene</u>	500 ppm	250 ppm
<u>Nickel carbonyl (as Ni)</u>	7 ppm	2 ppm
<u>Nickel metal and other compounds (as Ni)</u>	N.E.	10 mg Ni/m ³
<u>Nicotine</u>	35 mg/m ³	5 mg/m ³
<u>Nitric acid</u>	100 ppm	25 ppm
<u>Nitric oxide</u>	100 ppm	100 ppm [Unch]
<u>p-Nitroaniline</u>	300 mg/m ³	300 mg/m ³ [Unch]
<u>Nitrobenzene</u>	200 ppm	200 ppm [Unch]
<u>p-Nitrochlorobenzene</u>	1,000 mg/m ³	100 mg/m ³
<u>Nitroethane</u>	1,000 ppm	1,000 ppm [Unch]
<u>Nitrogen dioxide</u>	50 ppm	20 ppm
<u>Nitrogen trifluoride</u>	2,000 ppm	1,000 ppm
<u>Nitroglycerine</u>	500 mg/m ³	75 mg/m ³
<u>Nitromethane</u>	1,000 ppm	750 ppm
<u>1-Nitropropane</u>	2,300 ppm	1,000 ppm
<u>2-Nitropropane</u>	2,300 ppm	100 ppm
<u>Nitrotoluene (o, m, p isomers)</u>	200 ppm	200 ppm [Unch]
<u>Octachloronaphthalene</u>	Unknown	Unknown [Unch]
<u>Octane</u>	5,000 ppm	1,000 ppm [LEL]
<u>Oil mist (mineral)</u>	N.E.	2,500 mg/m ³
<u>Osmium tetroxide (as Os)</u>	1 mg Os/m ³	1 mg Os/m ³ [Unch]
<u>Oxalic acid</u>	500 mg/m ³	500 mg/m ³ [Unch]
<u>Oxygen difluoride</u>	0.5 ppm	0.5 ppm [Unch]
<u>Ozone</u>	10 ppm	5 ppm
<u>Paraquat</u>	1.5 mg/m ³	1 mg/m ³
<u>Parathion</u>	20 mg/m ³	10 mg/m ³
<u>Pentaborane</u>	3 ppm	1 ppm
<u>Pentachloronaphthalene</u>	Unknown	Unknown [Unch]
<u>Pentachlorophenol</u>	150 mg/m ³	2.5 mg/m ³
<u>n-Pentane</u>	15,000 ppm [LEL]	1,500 ppm [LEL]
<u>2-Pentanone</u>	5,000 ppm	1,500 ppm
<u>Perchloromethyl mercaptan</u>	10 ppm	10 ppm [Unch]
<u>Perchloryl fluoride</u>	385 ppm	100 ppm
<u>Petroleum distillates (naphtha)</u>	10,000 ppm	1,100 ppm [LEL]
<u>Phenol</u>	250 ppm	250 ppm [Unch]
<u>p-Phenylene diamine</u>	Unknown	25 mg/m ³
<u>Phenyl ether (vapor)</u>	N.E.	100 ppm
<u>Phenyl etherbiphenyl mixture (vapor)</u>	N.E.	10 ppm
<u>Phenyl glycidyl ether</u>	Unknown	100 ppm
<u>Phenylhydrazine</u>	295 ppm	15 ppm
<u>Phosdrin</u>	4 ppm	4 ppm [Unch]
<u>Phosgene</u>	2 ppm	2 ppm [Unch]
<u>Phosphine</u>	200 ppm	50 ppm
<u>Phosphoric acid</u>	10,000 mg/m ³	1,000 mg/m ³
<u>Phosphorus (yellow)</u>	N.E.	5 mg/m ³
<u>Phosphorus pentachloride</u>	200 mg/m ³	70 mg/m ³
<u>Phosphorus pentasulfide</u>	750 mg/m ³	250 mg/m ³

<u>Phosphorus trichloride</u>	50 ppm	25 ppm
<u>Phthalic anhydride</u>	10,000 mg/m ³	60 mg/m ³
<u>Picric acid</u>	100 mg/m ³	75 mg/m ³
<u>Pindone</u>	200 mg/m ³	100 mg/m ³
<u>Platinum (soluble salts, as Pt)</u>	N.E.	4 mg Pt/m ³
<u>Portland cement</u>	N.E.	5,000 mg/m ³
<u>Propane</u>	20,000 ppm [LEL]	2,100 ppm [LEL]
<u>n-Propyl acetate</u>	8,000 ppm	1,700 ppm
<u>n-Propyl alcohol</u>	4,000 ppm	800 ppm
<u>Propylene dichloride</u>	2,000 ppm	400 ppm
<u>Propylene imine</u>	500 ppm	100 ppm
<u>Propylene oxide</u>	2,000 ppm	400 ppm
<u>n-Propyl nitrate</u>	2,000 ppm	500 ppm
<u>Pyrethrum</u>	5,000 mg/m ³	5,000 mg/m ³ [Unch]
<u>Pyridine</u>	3,600 ppm	1,000 ppm
<u>Quinone</u>	300 mg/m ³	100 mg/m ³
<u>Rhodium (metal fume and insoluble compounds, as Rh)</u>	N.E.	100 mg Rh/m ³
<u>Rhodium (soluble compounds, as Rh)</u>	N.E.	2 mg Rh/m ³
<u>Ronnel</u>	5,000 mg/m ³	300 mg/m ³
<u>Rotenone</u>	Unknown	2,500 mg/m ³
<u>Selenium compounds (as Se)</u>	Unknown	1 mg Se/m ³
<u>Selenium hexafluoride</u>	5 ppm	2 ppm
<u>Silica, amorphous</u>	N.E.	3,000 mg/m ³
<u>Silica, crystalline (respirable dust)</u>	N.E.	
<u>crystalite/tridymite:</u>		25 mg/m ³
<u>quartz/tripoli:</u>		50 mg/m ³
<u>Silver (metal dust and soluble compounds, as Ag)</u>	N.E.	10 mg Ag/m ³
<u>Soapstone</u>	N.E.	3,000 mg/m ³
<u>Sodium fluoroacetate</u>	5 mg/m ³	2.5 mg/m ³
<u>Sodium hydroxide</u>	250 mg/m ³	10 mg/m ³
<u>Stibine</u>	40 ppm	5 ppm
<u>Stoddard solvent</u>	29,500 mg/m ³	20,000 mg/m ³
<u>Strychnine</u>	3 mg/m ³	3 mg/m ³ [Unch]
<u>Styrene</u>	5,000 ppm	700 ppm
<u>Sulfur dioxide</u>	100 ppm	100 ppm [Unch]
<u>Sulfuric acid</u>	80 mg/m ³	15 mg/m ³
<u>Sulfur monochloride</u>	10 ppm	5 ppm
<u>Sulfur pentafluoride</u>	1 ppm	1 ppm [Unch]
<u>Sulfuryl fluoride</u>	1,000 ppm	200 ppm
<u>2,4,5-T</u>	Unknown	250 mg/m ³
<u>Talc</u>	N.E.	1,000 mg/m ³
<u>Tantalum (metal and oxide dust, as Ta)</u>	N.E.	2,500 mg Ta/m ³
<u>TEDP</u>	35 mg/m ³	10 mg/m ³
<u>Tellurium compounds (as Te)</u>	N.E.	25 mg Te/m ³
<u>Tellurium hexafluoride</u>	1 ppm	1 ppm [Unch]
<u>TEPP</u>	10 mg/m ³	5 mg/m ³
<u>Terphenyl (o, m, p isomers)</u>	Unknown	500 mg/m ³
<u>1,1,1,2-Tetrachloro 2,2-difluoroethane</u>	15,000 ppm	2,000 ppm
<u>1,1,2,2-Tetrachloro 1,2-difluoroethane</u>	15,000 ppm	2,000 ppm
<u>1,1,2,2-Tetrachloroethane</u>	150 ppm	100 ppm
<u>Tetrachloroethylene</u>	500 ppm	150 ppm
<u>Tetrachloronaphthalene</u>	Unknown	Unknown [Unch]

<u>Tetraethyl lead (as Pb)</u>	40 mg Pb/m ³	40 mg Pb/m ³ [Unch]
<u>Tetrahydrofuran</u>	20,000 ppm [LEL]	2,000 ppm [LEL]
<u>Tetramethyl lead (as Pb)</u>	40 mg Pb/m ³	40 mg Pb/m ³ [Unch]
<u>Tetramethyl succinonitrile</u>	5 ppm	5 ppm [Unch]
<u>Tetranitromethane</u>	5 ppm	4 ppm
<u>Tetryl</u>	N.E.	750 mg/m ³
<u>Thallium (soluble compounds, as Tl)</u>	20 mg Tl/m ³	15 mg Tl/m ³
<u>Thiram</u>	1,500 mg/m ³	100 mg/m ³
<u>Tin (inorganic compounds, as Sn)</u>	400 mg Sn/m ³	100 mg Sn/m ³
<u>Tin (organic compounds, as Sn)</u>	Unknown	25 mg Sn/m ³
<u>Titanium dioxide</u>	N.E.	5,000 mg/m ³
<u>Toluene</u>	2,000 ppm	500 ppm
<u>Toluene 2,4-diisocyanate</u>	10 ppm	2.5 ppm
<u>o-Toluidine</u>	100 ppm	50 ppm
<u>Tributyl phosphate</u>	125 ppm	30 ppm
<u>1,1,2-Trichloroethane</u>	500 ppm	100 ppm
<u>Trichloroethylene</u>	1,000 ppm	1,000 ppm [Unch]
<u>Trichloronaphthalene</u>	Unknown	Unknown [Unch]
<u>1,2,3-Trichloropropane</u>	1,000 ppm	100 ppm
<u>1,1,2-Trichloro 1,2,2-trifluoroethane</u>	4,500 ppm	2,000 ppm
<u>Triethylamine</u>	1,000 ppm	200 ppm
<u>Trifluorobromomethane</u>	50,000 ppm	40,000 ppm
<u>2,4,6-Trinitrotoluene</u>	1,000 mg/m ³	500 mg/m ³
<u>Triorthocresyl phosphate</u>	40 mg/m ³	40 mg/m ³ [Unch]
<u>Triphenyl phosphate</u>	N.E.	1,000 mg/m ³
<u>Turpentine</u>	1,500 ppm	800 ppm
<u>Uranium (insoluble compounds, as U)</u>	30 mg U/m ³	10 mg U/m ³
<u>Uranium (soluble compounds, as U)</u>	20 mg U/m ³	10 mg U/m ³
<u>Vanadium dust</u>	70 mg/m ³ (as V ₂ O ₅)	35 mg V/m ³
<u>Vanadium fume</u>	70 mg/m ³ (as V ₂ O ₅)	35 mg V/m ³
<u>Vinyl toluene</u>	5,000 ppm	400 ppm
<u>Warfarin</u>	350 mg/m ³	100 mg/m ³
<u>Xylene (o, m, p isomers)</u>	1,000 ppm	900 ppm
<u>Xylidine</u>	150 ppm	50 ppm
<u>Yttrium compounds (as Y)</u>	N.E.	500 mg Y/m ³
<u>Zinc chloride fume</u>	4,800 mg/m ³	50 mg/m ³
<u>Zinc oxide</u>	2,500 mg/m ³	500 mg/m ³
<u>Zirconium compounds (as Zr)</u>	500 mg Zr/m ³	50 mg Zr/m ³

北京北斗星工业化学研究所

业务热线:010-6257.9939; 8264.0226; 传真: 010-8264.0221;

技术支持: 010-8911.1814; 合同管理: 010-8264.9388; 传真: 010-6252.3517;

web: <http://www.big-dipper.com.cn/> <http://www.bigdipper-technochem.com>

Email: sales@bigdipper-technochem.com suncns@yahoo.com

通信: 北京市 603 信箱 北斗星化工所 100080

业务部地址: 北京市海淀区中关村南三街中科院物理所 H 楼

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