



Threshold Limit Values
For 1962



Adopted at the 24th Annual Meeting of the
American Conference of Governmental Industrial
Hygienists, Washington, D.C., May 13-15, 1962.

6113
18466

BCC3217

LAM021609

Substance	ppmt	Mg/M ³ †
*Warfarin (3-[α -acetylbenzyl]-4-hydroxycoumarin)	—	0.1
Yttrium	—	5
Xylene (xylol)	200	870
Xylidine — Skin	5	25
*Zinc oxide fume	—	5
Zirconium compounds (as Zr)	—	5

Radioactivity: For permissible concentrations of radioisotopes in air, see U. S. Department of Commerce, National Bureau of Standards, Handbook 69, "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure", June 5, 1959. Also, see U. S. Department of Commerce, National Bureau of Standards, Handbook 59, "Permissible Dose from External Sources of Ionizing Radiation", September 24, 1954, and addendum of April 15, 1958.

*1962 Revision

† Parts of vapor or gas per million parts of air by volume at 25°C and 760 mm. Hg pressure.

‡ Approximate milligrams of particulate per cubic meter of air.

MINERAL DUSTS

Substance	m.p.p.e.f.
*SILICA	
Crystalline	
Quartz, Threshold Limit calculated from the formula	250
Cristobalite	%SiO ₂ + 5
Amorphous, including natural diatomaceous earth	20
SILICATES (less than 1% crystalline silica)	
Asbestos	5
Mica	20
Soapstone	20
Talc	20
Portland Cement	50

Miscellaneous (less than 1% crystalline silica)

50

Note: The percent of crystalline silica in the above formula and tables is based on the amount found from an analysis of the air-borne dust.

Conversion factors

mppcf x 35.3 = million particles per cubic meter
= particles per c.c.

‡ Millions of particles per cubic foot of air, based on the standard procedure for sampling and counting dusts adopted by the Fifth Annual Meeting of ACGIH (1942).

*1962 Revision

TENTATIVE VALUES

Substance	ppmt	Approx. Mg. per Cu. M.‡
*Benzidine	—	A ¹
tert. Butyl chromate (as CrO ₃)	—	0.1
*Camphor	—	5
Chlorobromomethane	200	1,050
*Cobalt	—	0.5
DDVP (O, O-Dimethyl-2, 2-dichlorovinyl phosphate)	—	1
Dimethyl acetamide — Skin	10	35
Endrin (1, 2, 3, 4, 10, 10-hexachloro-6, 7-epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octa hydro 1, 4-endo-5, 8-dimethanonaphthalene)	—	0.25
*Epichlorohydrin	5	19
Ethanolamine	0.5	1
Heptachloro (1, 4, 5, 6, 7, 8, 8-heptachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methanoindene)	—	0.25
Ketene	0.5	0.9
*B-Naphthylamine	—	A ²
1-Nitropropane	25	90
*N-Nitrosodimethylamine (Dimethylnitrosamine)	A ³	—
*Oil (mineral)	—	5
*Osmium tetroxide	—	0.002
Pentaborane	0.005	0.01
*Perchloryl fluoride	3	13.5

*1962 addition

† Parts of vapor or gas per million parts of air by volume at 25°C and 760 mm. Hg pressure.

‡ Approximate milligrams per cubic meter of air.

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