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Threshold Limit Values of Air-borne Contaminants For 1968

RECOMMENDED
AND INTENDED VALUES



Adopted at the 30th Annual Meeting of the American
Conference of Governmental Industrial Hygienists,
St. Louis, Missouri, May 13, 1968.

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MINERAL DUSTS

Substance m. p. p. e. f. ^{e)}

SILICA

Crystalline

** Quartz, Threshold Limit calculated from the formula $\frac{250}{\%SiO_2 + 5}$ f)

** Cristobalite " " "

Amorphous, including natural diatomaceous earth

Tremolite 20

5

SILICATES (less than 1% crystalline silica)

** Asbestos 5

Mica 20

Soapstone 20

Talc 20

Portland Cement 50

GRAPHITE (natural) 15

"Inert" or Nuisance Particulates 50 (or 15 mg m⁻³ whichever is the smaller)

see Appendix D

Conversion factors

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

e) Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.

f) The percentage of crystalline silica in the formula is the amount determined from air-borne samples, except in those instances in which other methods have been shown to be applicable.

** See Notice of Intended Changes

NOTICE OF INTENDED CHANGES

These substances, with their corresponding values, comprise those for which either a limit has been proposed for the first time, or for which a change in the "Recommended" listing has been proposed. In both cases, the proposed limits should be considered trial limits that will remain in this listing for a period of at least two years. During this time, the previous Recommended Limit will remain in effect. If, after two years no evidence comes to light that questions the appropriateness of the values herein, the values will be placed in the "Recommended" list. Documentation is available for each of these substances.

Substance	ppm ^{a)}	Mg M ⁻³ ^{b)}
Abate	-	15
Boron tribromide	1.0	-
Bromine pentafluoride	0.1	-
Butyl mercaptan	0.5	-
+ Cadmium oxide fume (as Cd)	-	0.1
+ Camphor	2	-
Chlorine	1	-
Cyanogen	10	-
+ Dichloroacetylene	0.1	-
C Diethylene triamine - Skin	10	-
Diphenyl amine	-	10
+ Endosulfan (Thiodan®) - Skin	-	0.1
+ Ethyl mercaptan	0.5	-
Fibrous glass	-	5
+ Heptane	500	2,000
+ Indene	10	-
Indium and compounds, as In	-	0.1
Iron salts, soluble, as Fe	-	1
+ Methyl isoamyl ketone	100	475
+ Methyl mercaptan	0.5	-
C Methyl silicate	5	-
+ Octane	400	1,900
+ Oil mist (particulate)	-	58 ^{b)}
+ Oil vapors	h) A 6	-
+ Pentaerythritol (tetramethylmethane)	-	15
+ Pentane	500	1,500

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

b) Approximate milligrams of particulate per cubic meter of air.

+ 1968 Revision
++ 1968 Addition

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