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Threshold Limit Values For 1966

RECOMMENDED AND TENTATIVE LIMITS



Adopted at the 28th Annual Meeting of the American
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LAM021601

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RESPIRABLE DUSTS EVALUATED BY COUNT

Substance	m. p. p. c. 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
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.

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

** 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.

TENTATIVE VALUES

These substances, with their corresponding tentative limits, comprise those for which a limit has been assigned for the first time or for which a change in the 'Recommended' listing has been made. In both cases, the assigned limits should be considered trial values that will remain in the tentative listing for a period of at least two years, during which time definitive evidence and experience is sought. If acceptable at the end of two years, these substances and values will be moved to the RECOMMENDED list. Documentation for tentative values are available for each of these substances.

Substance	ppm*	Mg. M ⁻³ **
Acrylamide - Skin	-	0.3
2-Aminopyridine	0.5	2
sec-Amyl acetate	125	650
Azinphos-methyl-Skin	-	0.2
Bromoform-Skin	0.5	5
n-Butyl acetate	150.	710.
sec-Butyl acetate	200	950
tert-Butyl acetate	200.	950.
++ sec-Butyl alcohol	150.	450.
Cadmium (Metal dust and soluble salts) ..	-	0.2
Carbon black	-	3.5
Carbon monoxide	50.	55.
++ α-Chloroacetophenone (phenacylchloride) ..	0.05	0.3
α-Chlorobenzylidene malononitrile (OCBM) ..	0.05	0.4
C Chlorine	1.	3.
++ Chromium, sol. chromic, chromous salts, as Cr	-	0.5
Metallic & insol. salts	-	1.
Coal tar pitch volatiles (benzene soluble fraction) (anthracene, BaP, phenanthrene, acridine, chrysene, pyrene) ..	-	0.2
++ Cobalt, Metal fume & dust	-	0.1
Crotonaldehyde	2.	6.
Cumene - Skin	50.	245.
Cyclohexane	300.	1,050.
Cyclohexene	300.	1,015.
Diazomethane	0.2	0.4
C 1,2-Dibromo-ethane-Skin	25.	190.
+ Dibutyl phosphate	1.	5.
+ Dibutylphthalate	-	5.
Diethylamino ethanol-Skin	10.	50.
++ Diisopropylamine-Skin	5.	20.

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

** Approximate milligrams of particulate per cubic meter of air.

+ 1966 Revision
++ 1966 Additions

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