PLAINTIFF'S EXHIBIT

MON-2398

archive copy

Threshold Limit Values of Airborne Contaminants and Physical Agents with Intended Changes Adopted By ACGIH For 1971



LAM021590

6113
18447

Substance	ppm[a]	mg/M[3b]
Xylene (xylol).....	100	435
Xylidine-Skin	5	25
Yttrium.....	--	1
Zinc chloride fume ..	--	1
Zinc oxide fume.....	--	5
Zirconium compounds (as Zr).....	--	5

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.
d) An atmospheric concentration of not more than 0.02 ppm, or personal protection may be necessary to avoid headache.
e) <5-7m in diameter.
f) As sampled by method that does not collect vapor.
g) According to analytically determined composition.
h) For control of general room air, biologic monitoring is essential for personnel control.

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. A report, Basic Radiation Protection Criteria, published by the National Committee on Radiation Protection, revises and modernizes the concept of the NCRP standards of 1954, 1957 and 1958; obtainable as NCRP Rept. No. 39, P.O. Box 4867, Washington, D.C. 20008.

*1971 Addition
**See Notice of Intended Changes

MINERAL DUSTS

Substance	m.p.p.c.f.[i]
SILICA, Crystalline	
**Quartz, ...	--
**Cristobalite, Crystalline	--
Amorphous, including natural diatomaceous earth	20
SILICATES (less than 1% crystalline silica)	
**Asbestos, all types	
Mica	20
Perlite	30
Portland Cement..	50
Soapstone	20
Talc (non-asbestiform).....	20
Talc (fibrous) use asbestos limit	--
Tremolite (see Talc, fibrous)...	--
Graphite (natural) ...	15

B0020199

LAM021591

6113
18448

**"Inert" or Nuisance Particulates . see Appendix D	30 (or 10 mg/M^3 whichever is the smaller) of total dust <1% SiO_2

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

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

**See Notice of Intended Changes for Mineral Dusts.

NOTICE OF INTENDED CHANGES (for 1971)

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 "Adopted" listing has been proposed. In both cases, the proposed limits should be considered trial limits that will remain in the listing for a period of at least two years. If, after two years no evidence comes to light that questions the appropriateness of the values herein, the values will be reconsidered for the "Adopted" list. Documentation is available for each of these substances.

SUBSTANCE	ppm[a]	mg/M3 [b]
+ Acetaldehyde	100	180
+ C Acetic anhydride	5	20
Allyl glycidyl ether ...	5	22
Ammonia	25	18
Ammonium chloride fume.....	--	10
+ Bismuth telluride	--	10
+ Bismuth telluride (Se-doped)	--	5
+ Butane	500	1200
Butyl lactate	1	5
Camphor (synthetic)...	2	12
+ Caprolactam (2-Oxohexamethylenimine)	--	5
+ Chloroform (trichloromethane).....	25	120

+ 1971 Revision or Addition
Capital letters refer to Appendices

B003200

LAM021592

6113
18449