Substance	ppm[a]	mg/Cu m[b]
†C Cadmium oxide fume	-	0 05
Caprolactam—		
Dust	-	1
Vapor	5	25
Carbofuran—Skin	-	0 05
† Carbon tetrabromide	0 1	1 4
† Catechol	1	4 5
† Cesium hydroxide	-	2
† Chlorodifluoromethane	1,000	3,500
Chloroform	25	120
bis-Chloromethylether	-	A[1b]
† Chlorpyrifos (Dursban®)—Skin	-	0 2
† o-Chlorostyrene	50	285
o-Chlorotoluene	50	250
† 2-Chloro-6-(trichloromethyl) pyridine (N-Serve®)	-	10
† Clopidol (Coyden®)	-	10
† Copper fume	-	0 2
Cotton dust, raw	-	0 2[m]
† Crufomate (Ruelene®)	-	5
Cyclohexylamine	10	40
† Dicyclopentadienyliron	-	10
† Diethylphthalate	-	5
Dimethyl sulfate—Skin	-	A[2]
† 3,5-Dinitro-o-toluamide (Zoalene®)	-	5
Dioxane—Skin	50	180
Disyston—Skin	-	0 1
C Ethylidene norbornene	5	25
† Formamide	20	30
Furfuryl alcohol	5	20
Hexachlorocyclopentadiene	0 01	0 1
† Iron oxide fume	-	5
Isophorone	10	55
Manganese cyclopentadienyl tricarbonyl (as Mn)—Skin	-	0 1
4, 4-Methylene bis (2-chloroaniline) —Skin	0 02	A[2]
C Methylene bis (4-cyclohexylene isocyanate)	0 01	0 11
Methylene chloride (Dichloromethane)	250	890
C Methylethyl ketone peroxide	0 2	1 5
Mineral wool fiber	-	10
Paraffin wax fume	-	2
Phorate (Thimet®) —Skin	-	0 05
† Picloram (Tordon®)	-	10
C Potassium hydroxide	-	2
Silicon tetrahydride (Silane)	0 5	0 7
†C Sodium hydroxide	-	2
†C Subtilisins (Proteolytic enzymes as 100% pure crystalline enzyme)	-	0 00060[o]
† Tricyclohexyltin hydroxide (Plictran®)	-	5
† Vinylidene chloride	10	4
Zinc stearate	-	E

[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

[m] Lint free dust as measured by the vertical-elutriator, cotton-dust sampler described in the Transactions of the National Conference on Cotton Dust, J R Lynch, pg 33, May 2, 1970

[o] Based on "high volume" sampling

Capital letters refer to Appendices

† 1973 Revision or Addition.

Mineral Dusts

Substance	TLV
Asbestos, all forms†	5 fibers/cc > 5μ in length[n] A[1c]
Silica flour	Use respirable[p] mass formula for quartz
Tripoli	Use respirable mass formula for quartz

[n] As determined by the membrane filter method at 400–450 × magnification (4 mm objective) phase contrast illumination

[p] "Respirable" dust as defined by the British Medical Research Council Criteria (1) and as sampled by a device producing equivalent results (2)

(1) Hatch, T E and Gross, P, Pulmonary Deposition and Retention of Inhaled Aerosols, p 149 Academic Press, New York, New York, 1964

(2) Interim Guide for Respirable Mass Sampling, AIHA Aerosol Technology Committee, AIHA J *31* 2, 1970, p 133

‡ A more stringent TLV for crocidolite may be required

Appendix A

Carcinogens

The Committee lists below those substances in industrial use that have proven carcinogenic in man, or have induced cancer in animals under appropriate experimental conditions Present listing of those substances carcinogenic for man takes two forms, those for which a TLV has been assigned (1a), and those for which en-