

FILE NAME: Talc (TALC)

DATE: 1981

DOC#: TALC052

DOCUMENT DESCRIPTION: Threshold Limit Values Brochure

TLVs®

Threshold Limit Values

for

Chemical Substances

and

Physical Agents

in the

Workroom Environment

with

Intended Changes

for

1981



MINERAL DUSTS

Substance
SILICA, SiO₂
Crystalline
Quartz

TLV in mppcf^{a)}:
300^{a)}

% quartz + 10

TLV for respirable dust in
mg/m³:

10 mg/m³^{a)}

% Respirable quartz + 2

TLV for "total dust," respirable
and nonrespirable:

30 mg/m³

% quartz + 3

Cristobalite Use one-half the value calculated
from the count or mass formulae
for quartz.

Tridymite Use one-half the value calculated
from formulae for quartz.

Silica, fused Use quartz formulae.

Tripoli Use respirable^{a)} mass quartz for-
mula

**Amorphous (20 mppcf^{a)})

SILICATES (< 1% quartz)

Asbestos

Amosite 0.5 fiber > 5μm/cc, A1a

Chrysotile 2 fibers > 5μm/cc, A1a

Crocidolite 0.2 fiber > 5μm/cc, A1a

Other forms 2 fibers > 5μm/cc, A1a

Mica 20 mppcf

Mineral wool fiber 10 mg/m³

Perlite 30 mppcf

Portland Cement 30 mppcf

Soapstone 20 mppcf

**Talc (nonasbestiform) ... (20 mppcf)

**Talc (fibrous), (use As-
bestos limit.)

**See notice of intended changes

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Substance	TWA		STEL	
	ppm ^{a)}	mg/m ³ ^{b)}	ppm ^{a)}	mg/m ³
Vanadium, as V ₂ O ₅ , dust & fume	—	0.05	—	—
Xylidine — Skin	2	10	—	—

NOTICE OF INTENDED CHANGES MINERAL DUSTS

Substance	TLV
Diatomaceous earth, natural	1.5 mg/m ³ , Respirable dust
Silica, amorphous	6 mg/m ³ , Total dust (all sampled sizes)
	3 mg/m ³ , Respirable dust (< 5 μm)
Talc (containing no fibers)	15 mppcf or 2 mg/m ³ , Respirable Dust
Talc (fiber-containing)	2 fibers/cc, > 5 μm in length

APPENDIX A Carcinogens

The Committee lists below those substances in industrial use that have proven carcinogenic in man, 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 environmental conditions have not been sufficiently defined to assign a TLV (1b).

A1a. Human Carcinogens. Substances, or substances associated with industrial processes, recognized to have carcinogenic or cocarcinogenic potential, with an assigned TLV:

	TLV
Acrylonitrile	2 ppm
Asbestos	
Amosite	0.5 fiber > 5μm/cc
Chrysotile	2 fibers > 5μm/cc
Crocidolite	0.2 fiber > 5μm/cc
Other forms	2 fibers > 5μm/cc
bis (Chloromethyl) ether	0.001 ppm
Chromite ore	

3.