

DR-0027-0713

ASBESTOS

REPT H

LATEST REVISION: 03/31/92

CAS NUMBER: 001332-21-4

SYNONYMS

AMPHIBOLE

APPEARANCE: fibrous solid in various colors

EXPOSURE GUIDELINES:

Asbestos (fibers >5 micron): OSHA PEL is 0.2 fibers/cc TWA; 1 fib r/cc for 30-minute short-term exposure. ACGIH TLV is 0.5 fibers amosite/cc, 0.2 fibers crocidolite/cc, 2 fibers chrysolite and other forms/cc; Ala. OSHA General Industry Standard 29CFR1910.1001. OSHA Construction Standard 29CFR1926.58.

POTENTIAL HEALTH EFFECTS

This section includes possible adverse effects which could occur if this material is not handled in the recommended manner. These effects apply to stated material and may not apply to dilutions or formulations of that material.

EYE

- Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN

- Mechanical injury only.
- Skin absorption is unlikely due to physical properties.
- Asbestos fibers may penetrate skin and form wart-like lesions or "corns".

INGESTION

- Single dose oral LD50 has not been determined.
- Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

ACUTE INHALATION EFFECTS

- Excessive exposure to dust causes chronic inflammations of lung tissue and pleural membranes, as well as cancers, in both man and animals.

SUBCHRONIC EFFECTS

- Prolonged exposure to asbestos dust has been found to cause pulmonary fibrosis (asbestosis), which may be disabling and even fatal.

CHRONIC EFFECTS / CARCINOGENICITY

- Has been shown to cause cancer in humans.
- For hazard communication purposes under OSHA Standard 29 CFR Part 1910.1200, this chemical is listed as a carcinogen by NTP and IARC.

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POTENTIAL HEALTH EFFECTS
Health & Environmental Sciences T.I.M.E. SYSTEM

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TERATOGENIC EFFECTS

- Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus.

REPRODUCTIVE EFFECTS

- In animal studies, has been shown not to interfere with reproduction.

MUTAGENICITY

- Some forms of asbestos have been reported to induce chromosomal changes in tissue culture and/or fruit flies.

END OF REPORT; FOR ADDITIONAL INFORMATION CONTACT:
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Health & Environmental Sciences
1803 Building, Midland, MI 48674
Phone (517) 636-9097

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