

Common Name: **ASBESTOS**

Synonyms: Actinolite; Amosite; Anthophyllite; Chrysotile; Crocidolite; Tremolite

CAS No: 1332-21-4

Molecular Formula: Varies

RTK Substance No: 0164

Description: Group of six naturally occurring, fibrous *Silicate* minerals that range in color from white to gray, green blue or brown

HAZARD DATA

| Hazard Rating | Firefighting | Reactivity |
|---|---|--------------|
| 4 - Health 0 - Fire 0 - Reactivity DOT#: NA 2212 ERG Guide #: 171 Hazard Class: 9 (Miscellaneous Hazardous Substance) | Extinguish fire using an agent suitable for type of surrounding fire. Asbestos itself does not burn. | Not reactive |

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

DO NOT USE COMPRESSED AIR.

PHYSICAL PROPERTIES

| | |
|--------------------------|---------------------------------------|
| Odor Threshold: | Odorless |
| Flash Point: | Noncombustible |
| Vapor Pressure: | 0 mm Hg at 8°F (20°C) (approx.) |
| Water Solubility: | Insoluble |
| Boiling Point: | Decomposes |
| Melting Point: | 1,112°F (600°C) |
| Molecular Weight: | 277 (for <i>Chrysotile Asbestos</i>) |

EXPOSURE LIMITS

OSHA: 0.1 f/cc, 8-hr TWA; 1 f/cc, 30 min. Ceiling

NIOSH: 0.1 f/cc, 10-hr TWA

ACGIH: 0.1 f/cc, 8-hr TWA

The Protective Action Criteria values are:

PAC-1 = 0.05 mg/m³

PAC-2 = 0.06 mg/m³

PAC-3 = 0.3 mg/m³

PROTECTIVE EQUIPMENT

| | |
|--------------------|---|
| Gloves: | Nitrile and Natural Rubber |
| Coveralls: | Tyvek® |
| Respirator: | >0.1 f/cc - full facepiece APR with <i>High efficiency filter</i> >1 f/cc (0.05 mg/m ³) - SCBA |

HEALTH EFFECTS

| | |
|--------------------|--|
| Eyes: | No acute health effects known |
| Skin: | No acute health effects known |
| Inhalation: | No acute health effects known |
| Chronic: | Cancer (lung and gastrointestinal tract) in humans |

FIRST AID AND DECONTAMINATION

| | |
|-----------------|--|
| Remove | the person from exposure. |
| Flush | eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. |
| Remove | contaminated clothing and wash contaminated skin with soap and water. |
| Begin | artificial respiration if breathing has stopped and CPR if necessary. |
| Transfer | promptly to a medical facility. |