

CHRYSOTILE**0014**

March 1999

CAS No: 12001-29-5
RTECS No: CI6478500
UN No: 2590
EC No: 650-013-00-6

Asbestos, chrysotile
White asbestos
Serpentine chrysotile
 $Mg_3Si_2H_4O_9$ / $Mg_3(Si_2O_5)(OH)_4$
Molecular mass: 277

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST! AVOID ALL CONTACT!	
Inhalation	Cough.	Breathing protection. Closed system and ventilation.	Fresh air, rest.
Skin		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes		Safety goggles or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Evacuate danger area! Consult an expert! Vacuum spilled material, then remove to safe place. Personal protection: complete protective clothing including self-contained breathing apparatus.	T Symbol R: 45-48/23 S: 53-45 Note: E UN Hazard Class: 9 UN Pack Group: III

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-90S2590	Well closed.

IMPORTANT DATA**Physical State; Appearance**

WHITE, GREY, GREEN OR YELLOWISH FIBROUS SOLID.

Occupational exposure limits

TLV: (For fibres longer than 5 µm with an aspect ratio equal to or greater than: 3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast elimination) 0.1 fibre/cc as TWA; A1 (confirmed human carcinogen); (ACGIH 2004).

MAK: Carcinogen category: 1; (DFG 2004).

EU OEL: 0.1 fibres/cc (EU 2003).

Routes of exposure

The substance can be absorbed into the body by inhalation.

Inhalation risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

Effects of long-term or repeated exposure

The substance may have effects on the lungs, resulting in pulmonary fibrosis and mesothelioma. This substance is carcinogenic to humans.

PHYSICAL PROPERTIES

Melting point (decomposes): see Notes
Density: 2.2-2.6 g/cm³

Solubility in water: none

ENVIRONMENTAL DATA**NOTES**

The substance is heat resistant up to 500°C and completely decomposed at temperatures of 1000°C.

Depending on the degree of exposure, periodic medical examination is indicated.

Do NOT take working clothes home.

The recommendations on this Card also apply to other forms of asbestos.

Avibest C, 7-450 asbestos, Calidria RG 144, Calidria RG 600, Calidria RG 100, Hooker no.1 chrysotile asbestos, K 6-30, Plastibest 20, RG 600, 5RO4, Sylodex, Cassiar AK, Cassiar A 65, Fritmag, P 3-50 and P 4-20 are trade names.

Other CAS number: 132207-32-0. Card has been partly updated in October 2004. See sections Occupational Exposure Limits, EU classification, Emergency Response.

ADDITIONAL INFORMATION**LEGAL NOTICE**

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