

Material Safety Data Sheet

Product Identification

【Product Name】	Mica
【Synonyms】	Micatex Muscovite Suzorite
【CAS】	12001-26-2
【Formula】	Al ₆ H ₄ K ₂ O ₂₄ Si ₆
【Molecular Weight】	796.63
【EINECS】	310-127-6
【RTECS】	VV8760000
【RTECS Class】	Other
【Beilstein/Gmelin】	NA

Physical and Chemical Properties

【Appearance】	Colorless, odorless flakes or sheets of hydrous silicates.
【Solubility in water】	Insoluble
【Density】	2.77 g/cm ³
【Usage】	Used as electrical insulation, and in making roofing shingles, wallpaper, paint, and plastics.

First Aid Measures

【Ingestion】

The possible benefit of early removal of some ingested material by cautious gastric lavage must be weighed against potential complications of bleeding or perforation. Activated charcoal binds most toxic agents and can decrease their systemic absorption if administered soon after ingestion. Activated charcoal: administer charcoal as a slurry (240 ml water/30 g charcoal). Usual dose: 25 to 100 g in adults/adolescents.

【Inhalation】

Move patient to fresh air. Monitor for respiratory distress. If cough or difficulty breathing develops, evaluate for respiratory tract irritation, bronchitis, or pneumonitis. Administer oxygen and assist ventilation as required. Treat bronchospasm with beta2 agonist and corticosteroid aerosols.

【Skin】

Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician should examine the area if irritation or pain persists. Pesticides - remove contaminated clothing and jewelry. Wash the skin, including hair and nails, vigorously; do repeated soap washings. Discard contaminated clothing. Irritation - treat dermal irritation or burns with standard topical therapy

【Eyes】

Irrigate exposed eyes with copious amounts of tepid water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.

Handling and Storage

【Storage】

Store in a dry and well-ventilated place away from direct sunlight. Keep containers closed when not in use.

【Handling】

Wear protective work clothing. Wash thoroughly at the end of the workshift. Do not take contaminated work

clothing home. Contaminated work clothing should be laundered by individuals who have been informed of the hazards of exposure to Mica. Do not eat, smoke, or drink where Mica is handled, processed, or stored. Wash hands carefully prior to eating, drinking, smoking, or using toilet.

Hazards Identification

【Inhalation】

Can affect you when breathed in. Repeated high exposure to the dust can irritate the lungs and may cause scarring (fibrosis). This causes an abnormal chest x-ray, cough and shortness of breath.

【EC Safety Phrase】 S 22

Exposure Controls/Personal Protection

【Personal Protection】

Prevention of worker exposure consists primarily in adequate dust control. Workers in certain particularly exposed jobs should be equipped with masks & goggles if the general & exhaust ventilation facilities do not ensure that concn of dust are maintained below max permissible levels.

【Respirators】 Dust mask.

【Exposure Effects】

Some silicas have been shown to cause cancer in animals. The risk of cancer in humans from Mica is unclear at this time. According to information presently available, Mica has not been tested for its ability to effect reproduction.

【Poison Class】 F (Not subject to toxicity classification)

Fire Fighting Measures

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use agent most appropriate to extinguish fire.

Accidental Release Measures

【Small spills/leaks】

Clean up personnel should wear full protective clothing including respiratory protection in dusty environments. Avoid raising dust. Do not dry sweep up spilled material. Use a vacuum or a wet method to reduce dusting during cleanup. When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum. Transfer spilled material to suitable containers and hold for later disposal.

Stability and Reactivity

【Stability】 Stable.

【Incompatibilities】 Strong oxidizing agents.

【Decomposition】 No data.

Transport Information

【HS Code】 25252000