

Material Safety Data Sheet (MSDS)

MICA POWDER

1. PRODUCT IDENTIFICATION

Product Name: mica powder
 I NCI Name: mica
 Chemical Name: none
 CAS Number: 12001-26-2
 EINECS Number: 310-127-6

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: not available
 Boiling Point: not available
 Density: 1.2-1.8 g/cm³
 Particle Size: <15 µm
 Specific Gravity: not available
 Solubility in water: insoluble
 pH Value: 5 - 9 (10% solution)
 Appearance & Odor: gray-white powder, no odor
 Composition: Mica 98-100% (by weight)

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
 Incompatibility: none known
 Hazardous Decomposition Products: not applicable
 Hazardous Polymerisation: will not occur

4. HANDLING & STORAGE

Avoid breathing dust. Wash thoroughly after handling. Avoid contact with eyes. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. Finish cleaning by spreading water on the surface.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Dust mask. Where exposure exceeds limits use NIOSH/OSHA-approved respiratory equipment.
 Protective Clothing: Gloves, safety glasses, or face shield recommended. Local exhaust ventilation recommended.
 Exposure Controls of Respirable Dust: TWA 3 mg/m³ 10 hour/ hours, Form: respirable fraction (OSHA); TWA 3 mg/m³ (ACGIH); TWA 3 mg/m³ 8 hour/ hours, Form: respirable fraction (OSHA PEL 1989); TWA 3 mg/m³ (OSHA, USA 1989); TWA 3 mg/m³ 8 hour/ hours, respirable fraction, see appendix, paragraph C (ACGIH TLV, USA, 1/2005)

7. HAZARD IDENTIFICATION

Medical Conditions Aggravated by Exposure: Repeated or prolonged inhalation of dust
 Inhalation: May cause irritation to the respiratory tract. Symptoms: coughing, wheezing, or shortness of breath.
 Eye Contact : Dust may cause irritation (itching & redness)
 Skin Contact: May cause skin irritation (itching & redness)
 Ingestion: Not an intended route of exposure

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

Skin: Wash exposed areas of the body with plenty of water.
 Inhalation: Remove from area of exposure. Seek medical attention if symptoms persist.
 Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

9. FIRE FIGHTING MEASURES

Flammability: non-flammable
 Flash Point: not applicable
 Extinguishing Media: In case of fire use water spray (fog), foam, dry chemical, or CO₂.
 Fire Fighting Procedures: Fire fighters should wear full fire fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

10. TOXICOLOGICAL INFORMATION

Acute Effects on Humans: may cause skin, eye, and respiratory irritation.
 Carcinogenicity: not available
 Mutagenicity: not available
 Teratogenicity: not available
 Developmental Toxicity: not available

11. DISPOSAL CONSIDERATIONS

Non-hazardous chemical waste. Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

12. TRANSPORT INFORMATION

DOT Shipping Name: not regulated
 ADR/ RID Code: not regulated
 I MO/ I MDG Code: not regulated
 I CAO/ I ATA: not regulated

13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.