

MI CA RED

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: red mica
 INCI Name: mica + titanium dioxide + iron oxide
 CAS Number: 12001-26-2 (mica), 13463-67-7 (titanium dioxide),
 1345-25-1 (iron oxide)
 EINECS Number: 310-127-6 (mica), 236-675-5 (titanium dioxide),
 215-721-8 (iron oxide)
 Origin: natural, modified

2. PHYSICAL & CHEMICAL PROPERTIES

| | |
|----------------------|--|
| Melting Point: | Decomposes |
| Boiling Point: | not applicable |
| Freezing Point: | not applicable |
| Particle Size: | 20.8 μm |
| Specific Gravity: | 3.0 |
| Solubility in water: | insoluble |
| pH Value: | 7 - 11 (4% solution) |
| Appearance & Odor: | red powder, no odor |
| Composition: | Mica 42-62%, titanium dioxide 0.9-6%, |

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
 Incompatibility: none known
 Hazardous Decomposition Products: none known
 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.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.
 Protective Clothing: Gloves, safety glasses, or face shield recommended. Local exhaust ventilation recommended.
 Exposure Controls of Respirable Dust: Mica: 3 mg/m³ (OSHA), 3 mg/m³ (ACGIH); titanium dioxide: 5 mg/m³ (OSHA), 10mg/m³ (ACGIH; total dust); iron oxide: 10mg/m³ (OSHA, total particulate), 5 mg/m³ (ACGIH, dust & fume).

7. HAZARDS IDENTIFICATION

Inhalation: May cause irritation to the respiratory tract. Prolonged or repeated exposure causes lung damage.

Eye Contact: Dust may cause irritation and inflammation.
 Skin Contact: May cause skin irritation
 Ingestion: No adverse health effects are expected from swallowing.

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 soap and water.
 Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
 Ingestion: If large quantities are ingested, get medical advice. Not a hazard under normal use conditions.

9. FIRE FIGHTING MEASURES

Flammability Limits: not applicable
 Flash Point: not applicable
 Extinguishing Media: None—does not burn. Use extinguishing media appropriate for surrounding.
 Fire Fighting Procedures: Firefighters 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 Toxicity: Mica: no data available; titanium dioxide: LD50 >5000 mg/kg (oral, rats); iron oxide: no data available
 Carcinogenicity: Mica: not studied (OSHA, ACGIH); titanium dioxide: not studied (OSHA), not classifiable as a human carcinogen (ACGIH); iron oxide: not studied (OSHA), not classifiable as a human carcinogen (ACGIH).

11. DISPOSAL CONSIDERATIONS

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/ R I C Code: Refer to corresponding hazard class
 Sea Transport I MDG Code: Refer to corresponding hazard class
 Air Transport I ATA: Refer to corresponding hazard class

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.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.