

# MICA SPHERES

## Material Safety Data Sheet (MSDS)

### 1. PRODUCT IDENTIFICATION

**Product Name:** mica spheres  
**INCI Name:** mica + silica  
**CAS Number:** 12001-26-2 (mica), 7631-86-9 (silica)  
**EINECS Number:** 310-127-6 (mica), 231-545-4 (silica)  
**Chemical Family:** inorganic pigment

### 2. PHYSICAL & CHEMICAL PROPERTIES

**Melting Point:** not available  
**Boiling Point:** not available  
**Molecular Weight:** mixture  
**Density:** 1.2—1.7 g/in<sup>3</sup>  
**Specific Gravity:** not applicable  
**Solubility in water:** insoluble  
**pH Value:** 7 - 10 (10% w/w solution)  
**Appearance & Odor:** fine grey powder, no odor  
**Composition:** Mica 98%, silica 2%

### 3. STABILITY & REACTIVITY

**Chemical Stability:** stable under normal conditions  
**Incompatibility:** not available  
**Hazardous Decomposition Products:** not applicable  
**Hazardous Polymerisation:** will not occur

### 4. HANDLING & STORAGE

Avoid breathing dust. Wash thoroughly after handling. Avoid prolonged contact with skin. Avoid contact with eyes. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Keep the container tightly closed and in a cool, well-ventilated place.

### 5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Use a tool to scoop up solid or absorbed material. Place into appropriate labeled waste container. 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.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:** Dusk mask. If there is the potential to exceed exposure limits, use additional respiratory equipment.  
**Protective Clothing:** Gloves, safety glasses, or face shield recommended. Local exhaust ventilation recommended.  
**Protection in Case of Large Spills:** Splash goggles, synthetic apron, gloves. Wear MSHA/NIOSH approved self-contained breathing apparatus and full protective gear.  
**Exposure Limits:** ACGIH (US, 1994) TWA: 3mg/m<sup>3</sup>. OSHA (US 1989). Notes: respirable TWA 3mg/m<sup>3</sup>. ACGIH (US 1994) TWA 3mg/m<sup>3</sup> 8 hours. NIOSH REL (US 1994) TWA 3mg/m<sup>3</sup> 10 hours, Form: respirable fraction. OSHA Finale Rule (US 1989) TWA 3mg/m<sup>3</sup> 8 hours (respirable dust). NIOSH REL (US 1994) TWA 6mg/m<sup>3</sup> 10h

### 7. HAZARDS IDENTIFICATION

**Inhalation:** May cause irritation to respiratory tract, skin & eyes.

**Inhalation:** Inhalation may be irritating to respiratory system. Symptoms include: coughing, wheezing, shortness of breath. Repeated or prolonged inhalation of dust particulate may aggravated respiratory medical conditions.

**Skin Contact:** May cause irritation. Symptoms include: itching, redness after contact.

**Eye Contact:** May cause irritation. Symptoms include: itching, redness after contact.

**Ingestion:** Not an intended route or exposure. May be hazardous. Symptoms include: gastrointestinal tract upset and diarrhea

### 8. FIRST AID MEASURES

**Eyes:** Remove contact lenses. Irrigate eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

**Skin:** Wash exposed areas of the body with soap and water. Remove contaminated clothing and shoes. Wash clothing & shoes before reuse. If symptoms persist seek medical attention.

**Inhalation:** Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

**Ingestion:** If swallowed, call a physician immediately. Do not induce vomiting unless directed physician.

### 9. FIRE FIGHTING MEASURES

**Flammability Limits:** not flammable

**Extinguishing Media:** In case of fire use extinguishing media appropriate for surrounding.

**Fire Fighting Procedures:** Firefighters should wear full fire-fighting turn-out gear & self-contained breathing apparatus.

### 10. TOXICOLOGICAL INFORMATION

**RTECS Number:** not available

**Toxicity:** not available

**Carcinogenicity:** classified none (NIOSH), classified 3 (IARC)

**Teratogenicity, Mutagenicity, Develop. Toxicity:** not available

**Chronic Exposure:** repeated or prolonged exposure at concentrations above exposure limits may cause target organ damage, respiratory tract and lung sensitization.

### 11. ECOLOGICAL INFORMATION & DISPOSAL

**Toxicity:** product itself & its products of degradation are not toxic

**Disposal:** non-hazardous waste. Disposal must be in accordance with applicable local, state & federal disposal regulations.

### 12. TRANSPORT INFORMATION

**DOT, TDG, IMO/IMDG, ICAO/IATA Classification:** 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.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.