



#### **Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reusing. Thoroughly clean shoes before reuse. If symptoms develop, seek medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.
<b>Ingestion</b>	Do not ingest. If this material is swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### **Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	Non-flammable.
<b>Fire Fighting Media and Instructions</b>	In case of fire, use water spray (fog), foam, dry chemical, or CO2.
<b>Protective Clothing (Fire)</b>	Wear self-contained breathing apparatus and full protective clothing.

#### **Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill and Leak</b>	Use appropriate tools to put the spilled material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements. Check TLV- Section 8 of MSDS.
<b>Spill Kit Information</b>	No specific spill kit required for this product.

#### **Section 7. Handling and Storage**

<b>Handling</b>	Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
<b>Storage</b>	Keep container dry. Keep containers sealed until ready for use.

#### **Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>Personal Protection</b>	
<b>Eyes</b>	Safety glasses.
<b>Body</b>	Lab coat.
<b>Respiratory</b>	Dust mask. Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
<b>Hands</b>	Recommended: Gloves.
<b>Feet</b>	Not applicable.

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**Protective Clothing  
(Pictograms)****Personal Protection in  
Case of a Large Spill**

Splash goggles. Synthetic apron. Gloves. Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

**Product Name**

MICA (mineral)

**Exposure Limits****ACGIH (United States, 1994).**TWA: 3 mg/m<sup>3</sup>**OSHA (United States, 1989). Notes: Respirable**TWA: 3 mg/m<sup>3</sup>**ACGIH TLV (United States, 2004). Notes: Respirable fraction. The concentration of respirable dust for the application of this limit is to be determined for the fraction passing a size-selector with the characteristics defined in the "C." paragraph of Appendix D.**TWA: 3 mg/m<sup>3</sup> 8 hour(s). Form: All forms**NIOSH REL (United States, 2001).**TWA: 3 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fraction**OSHA PEL 1989 (United States, 1989).**TWA: 3 mg/m<sup>3</sup> 8 hour(s). Form: Respirable dust

Not available.

IRON OXIDE BLACK

**Section 9. Physical and Chemical Properties**

<b>Odor</b>	Odorless.
<b>Color</b>	Black-gold
<b>Physical State and Appearance</b>	Solid. (Black-gold colored, odorless, lustrous powder)
<b>Molecular Weight</b>	Mixture.
<b>Molecular Formula</b>	Not applicable.
<b>pH</b>	6 to 10 (Conc. (% w/w): 10)
<b>Melting/Freezing Point</b>	Not available.
<b>Specific Gravity</b>	Not applicable.
<b>Density</b>	Bulk density 3.5 to 4.3 g/in <sup>3</sup>
<b>Solubility</b>	Insoluble in water.

**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Hazardous Decomposition Products** Not applicable.**Hazardous Polymerization** Will not occur.

**Section 11. Toxicological Information**

**RTECS Number:** Mica (mineral) VV8760000  
Iron Oxide, Black Not available.

**Toxicity** Not available.

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.  
**DEVELOPMENTAL TOXICITY:** Not available.  
Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.  
Target Organs: eyes, lungs, skin.

**Acute Effects on Humans** May cause skin, eye and respiratory irritation.

**Sensitization** Repeated or prolonged exposure to the substance at concentrations above the exposure limits may cause respiratory tract and lung sensitization.

**Carcinogenic Effects** This material is not known to cause cancer in animals or humans.

**Section 12. Ecological Information**

**Toxicity of the Products of Biodegradation** The product itself and its products of degradation are not toxic.

**Section 13. Disposal Considerations**

**EPA Waste Number** Non-hazardous waste

**Treatment** Dispose of according to all federal, state and local regulations.

**Section 14. Transport Information**

**DOT Classification** Not regulated.

**TDG Classification** Not regulated.

**IMO/IMDG Classification** Not regulated.

**ICAO/IATA Classification** Not regulated.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** TSCA 8(b) inventory: MICA (mineral); IRON OXIDE BLACK  
SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: MICA (mineral)  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: MICA (mineral):  
Immediate (Acute) Health Hazard  
SARA 313 Form R Reporting Requirements- No products were found.  
SARA 313 Supplier Notification- No products were found.  
Clean Water Act (CWA) 307: No products were found.  
Clean Water Act (CWA) 311: No products were found.  
Clean air act (CAA) 112 accidental release prevention: No products were found.  
Clean air act (CAA) 112 regulated flammable substances: No products were found.  
Clean air act (CAA) 112 regulated toxic substances: No products were found.

**WHMIS (Canada)** Not controlled under WHMIS (Canada).

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CEPA DSL: MICA (mineral); IRON OXIDE BLACK

**International  
Regulations**

**EINECS** MICA (mineral) 3101276  
IRON OXIDE BLACK 215-277-5

**DSCL (EEC)** S22- Do not breathe dust.

**International Lists** Australia (NICNAS): MICA; IRON OXIDE BLACK  
Japan (MITI): MICA; IRON OXIDE BLACK  
Korea (TCCL): MICA; IRON OXIDE BLACK  
Philippines (RA6969): MICA; IRON OXIDE BLACK

**State Regulations** Massachusetts RTK: MICA (mineral)  
New Jersey: MICA (mineral)

**Section 16. Other Information**

**Hazardous Material  
Information System  
(U.S.A.)**

Health	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		E

**Other Special  
Considerations** Not available.

**Changed Since Last  
Revision** 

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