

# Safety data sheet

## Mearlin® Micro Bronze 9250M

Revision date : 2009/06/01  
Version: 1.0

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(30322587/SDS\_GEN\_US/EN)

### 1. Substance/preparation and company identification

Company  
BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
1309-37-1	44.0 - 56.0 %	Iron oxide
12001-26-2	44.0 - 56.0 %	Mica-group minerals

### 3. Hazard identification

#### Emergency overview

CAUTION: PROLONGED OR REPEATED EXPOSURE MAY CAUSE LUNG DAMAGE.  
Avoid inhalation of dusts.  
Ensure adequate ventilation.

#### Potential health effects

##### **Primary routes of exposure**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

##### **Irritation:**

Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

##### **Repeated dose toxicity:**

Prolonged and repeated exposure of dust may cause lung damage.

##### **Medical conditions aggravated by overexposure:**

Contact may aggravate pulmonary disorders.

#### Potential environmental effects

##### **Aquatic toxicity:**

At the present state of knowledge, no negative ecological effects are expected.

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### 4. First-aid measures

**General advice:**

Remove contaminated clothing.

**If inhaled:**

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek immediate medical attention.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-fighting measures

Autoignition: not applicable  
Flammability: does not ignite

**Suitable extinguishing media:**

dry extinguishing media, foam

**Unsuitable extinguishing media for safety reasons:**

carbon dioxide

**Hazards during fire-fighting:**

No particular hazards known.

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

If exposed to fire, keep containers cool by spraying with water.

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### 6. Accidental release measures

**Personal precautions:**

Avoid dust formation.

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

**Environmental precautions:**

Do not empty into drains.

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This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

### Cleanup:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Spills should be contained and placed in suitable containers for disposal.

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## 7. Handling and storage

### Handling

#### General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing.

Avoid dust formation. Closed containers should only be opened in well-ventilated areas.

#### Protection against fire and explosion:

No special precautions necessary.

See MSDS section 5 - Fire fighting measures. Prevent electrostatic charge accumulation.

### Storage

#### General advice:

Keep in a cool place. Keep container dry.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

Iron oxide	OSHA	PEL 10 mg/m <sup>3</sup> fumes/smoke ;
	ACGIH	TWA value 5 mg/m <sup>3</sup> Respirable fraction ;
Mica-group minerals	OSHA	TWA value 20 millions of particles per cubic foot of air ;
	ACGIH	TWA value 3 mg/m <sup>3</sup> Respirable fraction ;

### Personal protective equipment

#### Respiratory protection:

Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Safety glasses with side-shields.

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

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## 9. Physical and chemical properties

Form: powder

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Odour:	odourless	
Colour:	brown	
pH value:	6.0 - 9.0	( 4 %(m))
Melting point:		The substance / product decomposes.
Density:	3.2 g/cm3	(approx. 20 °C)
Relative density:	3.2	
Bulk density:	146 kg/m3	
Solubility in water:		insoluble

### 10. Stability and reactivity

#### Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.  
Hazardous polymerization will not occur.

#### Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

#### Thermal decomposition:

No data available.

### 11. Toxicological information

#### Acute toxicity

##### Oral:

LD50/rat: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

##### Skin irritation:

May cause mechanical irritation.

##### Eye irritation :

May cause mechanical irritation.

### 12. Ecological information

#### Environmental fate and transport

##### Biodegradation:

Evaluation: The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

##### Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

#### Environmental toxicity

##### Other ecotoxicological advice:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

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### 13. Disposal considerations

**Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.  
Do not discharge into drains/surface waters/groundwater.  
It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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### 14. Transport information

**Land transport**

USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory information

**Federal Regulations**

**Registration status:**

TSCA, US released / listed

**OSHA hazard category:**

Chronic target organ effects reported, OSHA PEL established, ACGIH TLV established

**SARA hazard categories (EPCRA 311/312):** Acute, Chronic

**State regulations**

**State RTK**

**CAS Number**

1309-37-1  
12001-26-2

**Chemical name**

Iron oxide  
Mica-group minerals

**State RTK**

MA, NJ, PA  
MA, NJ, PA

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### 16. Other information

**HMIS III rating**

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Health: 1<sup>+</sup>      Flammability: 0      Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

### Local contact information

Prod\_Reg@basf.com

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END OF DATA SHEET