Material Safety Data Sheet

Mearlin® Bright Silver

Revision date: 07/03/2001  Date Printed: 11/05/2001

NFPA Classification:  
Health: 0  
Flammability: 0  
Instability: 0  
Special Hazards: E

HMIS Classification:  
Health: 0  
Flammability: 0  
Reactivity: 0  
Personal Protection: E

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Chemical Mixture  
Product Use: Colorant.  
Supplier: The Earth Pigments Company  
PO Box 1172  Cortaro, AZ 85652  520-682-8928  
earthpigments.com  info@earthpigments.com

For Chemical Emergency Call CHEMTREC (24 hours):  
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)  
1-703-527-3887 (Outside Above Area)

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight in Product (%)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mica 12001-26-2</td>
<td>67.0 - 79.0</td>
<td>None.</td>
</tr>
<tr>
<td>Titanium Dioxide (Rutile) 1317-80-2</td>
<td>21.0 - 31.0</td>
<td>None.</td>
</tr>
<tr>
<td>Tin Oxide 18282-10-5</td>
<td>0.2 - 2.0</td>
<td>None.</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Emergency Overview:
Most Important Hazards: Prolonged or repeated exposure may cause lung damage.

Potential Health Effects:
Inhalation: May cause irritation of the respiratory tract. Prolonged or repeated exposure causes lung damage.
Ingestion: No adverse health effects are expected from swallowing.
Skin Contact: May cause skin irritation.
Eye Contact: Dust may cause irritation and inflammation.

Carcinogenicity:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight in Product (%)</th>
<th>NTP (Y/N)</th>
<th>IARC (See Notes)</th>
<th>OSHA (Y/N)</th>
<th>ACGIH (See Notes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mica 12001-26-2</td>
<td>67.0 - 79.0</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Titanium Dioxide (Rutile) 1317-80-2</td>
<td>21.0 - 31.0</td>
<td>N</td>
<td>N3</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Tin Oxide 18282-10-5</td>
<td>0.2 - 2.0</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Notes:
IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.
ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

Chronic Health Hazards: Prolonged or repeated exposure to dust may cause pulmonary problems.

Aggravated Medical Conditions: Pulmonary disorders. Allergies.

4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.
Ingestion: If large quantities are ingested, seek medical advice. Not a hazard under normal use conditions.
Skin Contact: Wash with soap and water. Get medical attention if irritation persists.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.
attention if irritation persists.

5.  FIRE FIGHTING MEASURES

Flash Point, °C: Not Applicable
Autoignition Temperature, °C: Not Applicable
Lower Explosive Limit, %: Not Applicable
Upper Explosive Limit, %: Not Applicable

Extinguishing Media: None - does not burn. Use extinguishing media appropriate for surrounding fire.

Fire Fighting Procedures: Positive pressure, self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Not a fire or explosion hazard.

6.  ACCIDENTAL RELEASE MEASURES

Spill Procedures: Scoop up or vacuum into a container for reclamation or disposal.

7.  HANDLING AND STORAGE

Material may be slippery when wet.
Store in cool dry place.
Avoid breathing dust.
Wash thoroughly after handling.

Avoid contact with eyes.
Use only with adequate ventilation.

8.  EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight in Product (%)</th>
<th>OSHA PEL:</th>
<th>ACGIH TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mica 12001-26-2</td>
<td>67.0 - 79.0</td>
<td>3 mg/m3 (Respirable dust)</td>
<td>3 mg/m3 (Respirable dust)</td>
</tr>
<tr>
<td>Titanium Dioxide (Rutile) 1317-80-2</td>
<td>21.0 - 31.0</td>
<td>10 mg/m3 (Total dust) 5 mg/m3 (Respirable dust)</td>
<td>10 mg/m3 (Total dust)</td>
</tr>
<tr>
<td>Tin Oxide 18282-10-5</td>
<td>0.2 - 2.0</td>
<td>2 mg/m3 (as Sn)</td>
<td>2 mg/m3 (as Sn)</td>
</tr>
</tbody>
</table>

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates...

**Personal Protective Equipment:**

Safety glasses with side shields.

**Respiratory Protection:**

Use a NIOSH/MSHA approved respirator as necessary to protect from: dust.

**Ventilation:**

General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>Off-white</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Boiling Point, °C:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting Point, °C:</td>
<td>Decomposes</td>
</tr>
<tr>
<td>Freezing Point, °C:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density @ 25°C:</td>
<td>3.0Kg/L</td>
</tr>
<tr>
<td>Bulk Density:</td>
<td>14.0g/100 cc</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>3.0</td>
</tr>
<tr>
<td>Solubility (in water):</td>
<td>Insoluble</td>
</tr>
<tr>
<td>pH</td>
<td>7.0-11.0 (4% H2O)</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Stability Data:**

Stable

**Conditions/Hazards to Avoid:**

None known.

**Incompatibility (Materials to Avoid):**

None known.

**Hazardous Decomposition Products:**

None known.

**Polymerization:**

Will not occur.

**Polymerization - Avoid:**

None known.

### 11. TOXICOLOGICAL INFORMATION

<table>
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<tr>
<th>Information on Product:</th>
<th></th>
</tr>
</thead>
</table>

Page 4 of 6
### 12. ECOLOGICAL INFORMATION

**Information on Product:**
- **Environmental Fate:** No data available.
- **Ecotoxicological Information:** No data available.

### 13. DISPOSAL CONSIDERATIONS

**US EPA Waste Number:** Not Regulated

**Disposal of Waste Method:** This product, if disposed as received, is a non-hazardous waste. Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

### 14. TRANSPORT INFORMATION

**International Transport Regulations:**
- **UN/PIN Number:** NONE

**US Transportation Regulations:**
- **DOT Classification:** Not Regulated

**Canadian Transportation of Dangerous Goods (TDG):**
- **TDG Classification:** Not Regulated

### 15. REGULATORY INFORMATION

**International Inventories:**
- **United States:** This product or its ingredients are listed on or compliant with the TSCA Inventory.
- **Canada:** This product or its ingredients are listed on or compliant with the DSL.
- **Europe:** This product or its ingredients are listed on or compliant with EINECS.
- **Japan:** This product or its ingredients are listed on or compliant with MITI.
- **Australia:** This product or its ingredients are listed on or compliant with AICS.
- **Korea:** Not Determined
### US Federal Regulations:

<table>
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<th>Weight in Product (%)</th>
<th>Subject to SARA 313 Reporting</th>
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### SARA 311/312 Hazard Categories:

Acute Health Hazard

### CAA 602 Ozone Depleting Substances (ODS):

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

### VOC Content:

None

### US State Regulations:

#### VOC Content (CARB):

None

### Canadian Regulations:

#### WHMIS Classification:

Not Regulated