

MSDS Code: 9130Z

**Mearlin® Bright Silver**

Revision date: 07/03/2001

Date Printed: 11/05/2001

**NFPA Classification:**

Health: 0

Flammability: 0

Instability: 0

Special Hazards:

**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.comFor 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**

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

**3. HAZARDS IDENTIFICATION****Emergency Overview:**

**Color:** Off-white  
**Form:** Powder  
**Odor:** Odorless  
**Flash Point, °C:** Not Applicable

**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:**

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

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 if irritation persists.

#### 5. FIRE FIGHTING MEASURES

<b>Flash Point, °C:</b>	Not Applicable
<b>Autoignition Temperature, °C:</b>	Not Applicable
<b>Lower Explosive Limit, %:</b>	Not Applicable
<b>Upper Explosive Limit, %:</b>	Not Applicable
<b>Extinguishing Media:</b>	None - does not burn. Use extinguishing media appropriate for surrounding fire.
<b>Fire Fighting Procedures:</b>	Positive pressure, self-contained breathing apparatus.
<b>Unusual Fire and Explosion Hazards:</b>	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

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

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

only). All ACGIH TLVs refer to the 2000 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

**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

<b>Form:</b>	Powder
<b>Color:</b>	Off-white
<b>Odor:</b>	Odorless
<b>Boiling Point, °C:</b>	Not Applicable
<b>Melting Point, °C:</b>	Decomposes
<b>Freezing Point, °C:</b>	Not applicable
<b>Density @ 25°C:</b>	3.0Kg/L
<b>Bulk Density:</b>	14.0g/100 cc
<b>Vapor Pressure:</b>	Not Applicable
<b>Specific Gravity:</b>	3.0
<b>Solubility (in water):</b>	Insoluble
<b>pH:</b>	7.0-11.0 (4% H <sub>2</sub> O)

### 10. STABILITY AND REACTIVITY

<b>Stability Data:</b>	Stable
<b>Conditions/Hazards to Avoid:</b>	None known.
<b>Incompatibility (Materials to Avoid):</b>	None known.
<b>Hazardous Decomposition Products:</b>	None known.
<b>Polymerization:</b>	Will not occur.
<b>Polymerization - Avoid:</b>	None known.

### 11. TOXICOLOGICAL INFORMATION

**Information on Product:**  
**Information on Components:**

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Acute Toxicity - Oral</u>	<u>Acute Toxicity - Inhalation</u>	<u>Acute Toxicity - Dermal</u>	<u>Acute Toxicity - Other</u>
Mica 12001-26-2	67.0 - 79.0	Not Available	Not Available	Not Available	Not Available
Titanium Dioxide (Rutile) 1317-80-2	21.0 - 31.0	Not Available	Not Available	Not Available	Not Available
Tin Oxide 18282-10-5	0.2 - 2.0	> 20 g/kg (rat)	Not Available	Not Available	Not Available

#### 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:**

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Subject to SARA 313 Reporting</u>
Mica 12001-26-2	67.0 - 79.0	No
Titanium Dioxide (Rutile) 1317-80-2	21.0 - 31.0	No
Tin Oxide 18282-10-5	0.2 - 2.0	No

**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