

MSDS Code: 9222X

**Mearlin® Majestic Gold**

Revision date: 10/20/05 Date Printed: 10/20/05

**NFPA Classification:**

Health: 1  
 Flammability: 0  
 Instability: 0  
 Special Hazards:

**HMIS Classification:**

Health: 1  
 Flammability: 0  
 Physical Hazard: 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**

Ingredient CAS Number	Weight in Percent (%)	Notes
Mica 12001-26-2	48.0 - 62.0	None.
Titanium Dioxide 13463-67-7	34.0 - 44.0	None.
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub> 1309-37-1	4.0 - 8.0	None.

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

Color: Yellow  
 Form: Powder  
 Odor: Odorless  
 Flash Point, °C: Not Applicable

**Most Important Hazards:** May cause irritation of the eyes, skin and respiratory system. Prolonged or repeated exposure may cause pulmonary problems.

**Potential Health Effects:**

**Inhalation:** May cause irritation of the respiratory tract. Prolonged or repeated exposure may result in difficulty breathing and pulmonary problems.

**Ingestion:** No adverse health effects are expected from swallowing.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Dust may cause irritation and inflammation.

**Carcinogenicity:**

Ingredient CAS Number	Weight in Percent (%)	NTP (Y/N)	IARC (See Notes)	OSHA (Y/N)	ACGIH (See Notes)
Mica 12001-26-2	48.0 - 62.0	N	N	N	N
Titanium Dioxide 13463-67-7	34.0 - 44.0	N	N3	N	A4
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub> 1309-37-1	4.0 - 8.0	N	N	N	A4

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**

**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. Avoid dusting.

## 7. HANDLING AND STORAGE

- Store in cool dry place.
- Avoid generating or breathing dust.
- Avoid contact with eyes.
- Material may be slippery when wet.
- Wash thoroughly after handling.
- Use only with adequate ventilation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient CAS Number	Weight in Percent (%)	OSHA PEL	ACGIH TLV
Mica 12001-26-2	48.0 - 62.0	20 mppcf	3 mg/m <sup>3</sup> (Respirable fraction)
Titanium Dioxide 13463-67-7	34.0 - 44.0	15 mg/m <sup>3</sup> (Total dust)	10 mg/m <sup>3</sup> (Total dust)
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub> 1309-37-1	4.0 - 8.0	10 mg/m <sup>3</sup> (as Fe, total particulate)	5 mg/m <sup>3</sup> (as Fe, dust & fume)

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 2005 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, June 30, 1993.

**Personal Protective Equipment:** Safety glasses with side shields. Wear suitable gloves.

**Respiratory Protection:** Use a NIOSH/MSHA approved respirator as necessary to protect from: dust. If respiratory protection is used, follow all requirements for respiratory programs set forth in OSHA regulations (29 CFR 1910.134).

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Powder  
**Color:** Yellow  
**Odor:** Odorless  
**Melting Point, °C:** Decomposes  
**Density:** 3.1Kg/L  
**Bulk Density:** 21.9g/100 cc  
**Specific Gravity:** 3.1  
**Solubility (in water):** Insoluble  
**pH:** 7.0 - 11.0(4% H<sub>2</sub>O)

Particle Size Range,  $\mu$ : D(95%) = 6-48  $\mu$ m

### 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

**Information on Product:**

No data available.

**Information on Components:**

Ingredient CAS Number	Weight in Percent (%)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Dermal	Acute Toxicity - Other
Mica 12001-26-2	48.0 - 62.0	Not Available	Not Available	Not Available	Not Available
Titanium Dioxide 13463-67-7	34.0 - 44.0	> 5,000 mg/kg (rat)	Not Available	Not Available	Not Available
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub> 1309-37-1	4.0 - 8.0	Not Available	Not Available	Not Available	Not Available

### 12. ECOLOGICAL INFORMATION

**Information on Product:**

**Environmental Fate:** Not expected to present deleterious adverse environmental effects.  
**Mobility:** Aquatic toxicity is unlikely due to low solubility  
**Persistence/Degradeability:** No data available to the best of our knowledge.  
**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:**

**ICAO Class:** Not Regulated

**IMO Class:** Not Regulated

**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:** This product or its ingredients are listed on or compliant with the ECL.  
**Philippines:** This product or its ingredients are listed on or compliant with PICCS.  
**China:** This product or its ingredients are listed on or compliant with the IECSC.

**US Federal Regulations:**

Ingredient CAS Number	Weight in Percent (%)	Subject to SARA 313 Reporting
Mica 12001-26-2	48.0 - 62.0	No
Titanium Dioxide 13463-67-7	34.0 - 44.0	No
Iron Oxide - Fe <sub>2</sub> O <sub>3</sub> 1309-37-1	4.0 - 8.0	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

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations* .