

## Mica Gold

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 04-May-2022  
Supersedes: 30-May-2018

### 1 PRODUCT & COMPANY IDENTIFICATION

|                      |  |                                    |  |
|----------------------|--|------------------------------------|--|
| <b>Product Name:</b> | Mica Gold  | <b>Distributor:</b>                | MakingCosmetics Inc.   |
| <b>Synonyms:</b>     | No data available  | <b>Address:</b>                    | 10800 231 <sup>st</sup> Way NE<br>Redmond, WA 98053 (USA)            |
| <b>INCI Name:</b>    | Mica (CI 77019), titanium dioxide (CI 77891),<br>iron oxide (CI 77491), crystalline silica | <b>Phone / Fax:</b>                | 425-292-9502 / 425-292-9601  |
| <b>CAS Number:</b>   | 12001-26-2, 13463-67-7, 1309-37-1, 1317-95-9   | <b>Web:</b>                        | <a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a> |
| <b>Formula:</b>      | No data available  | <b>Emergency Telephone Number:</b> | 1-800-424-9300 (Chemtrec)  |
| <b>Product Form:</b> | Solid  |                                    |  |
| <b>Product Use:</b>  | Cosmetic use   |                                    |  |

### 2 HAZARDS IDENTIFICATION

|                                      |   |        |     |     |              |     |     |            |     |     |                 |     |  |
|--------------------------------------|---|--------|-----|-----|--------------|-----|-----|------------|-----|-----|-----------------|-----|--|
| <b>GHS Classification:</b>           | Not classified  |        |     |     |              |     |     |            |     |     |                 |     |  |
| <b>GHS Labeling:</b>                 | Not a dangerous substance according to GHS  |        |     |     |              |     |     |            |     |     |                 |     |  |
| <b>GHS Hazard Pictograms:</b>        | None  |        |     |     |              |     |     |            |     |     |                 |     |  |
| <b>GHS Hazard Statements:</b>        | None  |        |     |     |              |     |     |            |     |     |                 |     |  |
| <b>GHS Precautionary Statements:</b> | P260: Do not breathe dust.  |        |     |     |              |     |     |            |     |     |                 |     |  |
| <b>Potential Health Hazards:</b>     | Eyes: Not expected to be irritant.<br>Inhalation: Not expected to be irritant.<br>Skin: Not expected to be irritant.<br>Ingestion: Not expected to be irritant.   |        |     |     |              |     |     |            |     |     |                 |     |  |
| <b>NFPA Ratings (704):</b>           | <table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table> | Health | N/A | N/A | Flammability | N/A | N/A | Reactivity | N/A | N/A | Specific Hazard | N/A |  |
| Health                               | N/A   | N/A    |     |     |              |     |     |            |     |     |                 |     |  |
| Flammability                         | N/A   | N/A    |     |     |              |     |     |            |     |     |                 |     |  |
| Reactivity                           | N/A   | N/A    |     |     |              |     |     |            |     |     |                 |     |  |
| Specific Hazard                      | N/A   |        |     |     |              |     |     |            |     |     |                 |     |  |

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u>          | <u>CAS No.</u> | <u>Weight %</u> | <u>Molecular Weight</u> |
|---------------------------|----------------|-----------------|-------------------------|
| Mica (CI 77019)           | 12001-26-2     | ≥70 - <90%      | Not Available           |
| Titanium Oxide (CI 77891) | 13463-67-7     | ≥10 - <30%      | Not Available           |
| Iron Oxide (CI 77491)     | 1309-37-1      | ≥1 - <5%        | Not Available           |
| crystalline silica        | 1317-95-9      | ≥0.1-<1%        | Not Available           |

### 4 FIRST AID MEASURES

|                    |  |
|--------------------|--|
| <b>Eyes:</b>       | Rinse out with plenty of water. Seek medical attention if necessary.   |
| <b>Inhalation:</b> | Remove victim to fresh air. Seek medical attention if necessary.   |
| <b>Skin:</b>       | Take off immediately all contaminated clothing. Rinse skin with water/shower. Seek medical attention if necessary.   |
| <b>Ingestion:</b>  | Make victim drink water (two glasses at most) Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Consult doctor if feeling unwell. |

### 5 FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable (and unsuitable) extinguishing media:</b>                   | May be combustible at high temperature. Use appropriate media (dry powder, foam, carbon dioxide) for adjacent fire. Do not use direct water jet. |
| <b>Special protective equipment &amp; precautions for firefighters:</b> | Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.                              |
| <b>Flash Points:</b>  | Not applicable   |

**Specific hazards arising from the chemical:** Ambient fire may liberate hazardous vapors. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:** Observe possible material restrictions (see sections 7 and 10).  
Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Observe label precautions. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:** Keep container tightly closed. Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u>                              | <u>Exposure Limits</u>                        | <u>Basis</u>                                   | <u>Entity</u> |
|---|---|--|---------------|
| <i>General Threshold limit value for dust</i> | 5 mg/m <sup>3</sup>                           | TWA (respirable fraction)                      | Z1A           |
|   | 15 mg/m <sup>3</sup>                          | TWA (total dust)                               | Z1A           |
|   | 50millions of particles/cubic foot of air     | TWA (total dust)                               | Z1A           |
|   | 15millions of particles/cubic foot of air     | TWA (respirable fraction)                      | Z1A           |
|   | 15 mg/m <sup>3</sup>                          | TWA (total dust)                               | Z1A           |
|   | 5 mg/m <sup>3</sup>                           | TWA (respirable fraction)                      | Z1A           |
|   | 5 mg/m <sup>3</sup>                           | PEL (respirable fraction)                      | OSHA_TRANS    |
|   | 15 mg/m <sup>3</sup>                          | TWA (total dust)                               | OSHA_TRANS    |
|   | 10 mg/m <sup>3</sup>                          | TWA (inhalable particles)                      | ACGIH         |
| Mica (CI 77019)                               | 3 mg/m <sup>3</sup>                           | TWA (respirable particles)                     | ACGIH         |
|   | 3 mg/m <sup>3</sup>                           | TWA (respirable fraction)                      | ACGIH         |
|   | 3 mg/m <sup>3</sup>                           | REL (respirable)                               | NIOSH/GUIDE   |
|   | 3 mg/m <sup>3</sup>                           | TWA (respirable dust)                          | Z1A           |
|   | 20millions of particles per cubic foot of air | TWA  | Z1A           |
| Titanium Dioxide (CI 77891)                   | 10 mg/m <sup>3</sup>                          | TWA  | ACGIH         |
|   | 15 mg/m <sup>3</sup>                          | TWA (total dust)                               | OSHA_TRANS    |
|   | 10 mg/m <sup>3</sup>                          | TWA (total dust)                               | Z1A           |
| Iron Oxide (CI 77491)                         | 5 mg/m <sup>3</sup>                           | TWA (respirable fraction)                      | ACGIH         |
|   | 5 mg/m <sup>3</sup>                           | REL (dust and fume)                            | NIOSH/GUIDE   |
|   | 10 mg/m <sup>3</sup>                          | PEL (fume)                                     | OSHA_TRANS    |
|   | 10 mg/m <sup>3</sup>                          | TWA (fume)                                     | Z1A           |
| Crystalline Silica                            | 0.025 mg/m <sup>3</sup>                       | TWA (respirable fraction)                      | ACGIH         |
|   | 0.1 mg/m <sup>3</sup>                         | TWA (respirable dust)<br>(expressed as quartz) | Z1A           |

TWA: Time Weighted Average over 8 hours of work.  
TLV: Threshold Limit Value over 8 hours of work.  
REL: Recommended Exposure Limit  
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
IDLH: Immediately Dangerous to Life or Health  
WEEL: Workplace Environmental Exposure Levels  
CEIL: Ceiling

**Personal Protection:**

|                    |  |
|--------------------|--|
| <b>Eyes:</b>       | Safety glasses should be worn.   |
| <b>Inhalation:</b> | Required when dusts are generated. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respiratory selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.   |
| <b>Body:</b>       | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier. |
| <b>Other:</b>      | Technical measures and appropriate working operation should be given priority over the use of personal protective equipment. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.   |

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|  |                           |   |                             |
|--|---------------------------|---|-----------------------------|
| <b>Appearance:</b>                             | Powder                    | <b>Vapor Pressure:</b>                      | Not applicable              |
| <b>Odor:</b>                                   | Odorless                  | <b>Vapor Density:</b>                       | Not applicable              |
| <b>Odor Threshold:</b>                         | No data available         | <b>Evaporation Rate:</b>                    | No data available           |
| <b>Color:</b>                                  | Gold                      | <b>Flammability:</b>                        | Product is not flammable    |
| <b>Molecular Weight:</b>                       | No data available         | <b>Upper/lower Explosive Limit:</b>         | Not applicable              |
| <b>pH @ 68 °F/20 °C (100 g/L):</b>             | 8.0-11.0                  | <b>Flash Point:</b>                         | No data available           |
| <b>Boiling Point:</b>                          | Not applicable            | <b>Specific Gravity:</b>                    | No data available           |
| <b>Melting Point:</b>                          | No data available         | <b>Solubility in Water @ 68 °F (20 °C):</b> | Practically insoluble       |
| <b>Bulk Density:</b>                           | 280-320 kg/m <sup>3</sup> | <b>Auto-Ignition Temperature:</b>           | No data available           |
| <b>Partition Coefficient: n-octanol/water:</b> | Not applicable            | <b>Decomposition Temperature:</b>           | Not applicable              |
| <b>Viscosity:</b>                              | Not applicable            | <b>Explosive Properties:</b>                | Not classified as explosive |
| <b>Oxidizing Properties:</b>                   | No data available         | <b>Freezing Point:</b>                      | No data available           |
| <b>Particle Size:</b>                          | 5.0-90.0 µm               | <b>Density (at 68 °F/20 °C):</b>            | 2.8-3.0 g/cm <sup>3</sup>   |

## 10 STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Reactivity:</b>                       | No data available  |
| <b>Chemical Stability:</b>               | The product is chemically stable under standard ambient conditions (room temperature). |
| <b>Hazardous Polymerization:</b>         | No data available  |
| <b>Conditions to Avoid:</b>              | No data available  |
| <b>Incompatible Materials:</b>           | No data available  |
| <b>Hazardous Decomposition Products:</b> | No data available  |

## 11 TOXICOLOGICAL INFORMATION

|                                       |   |
|---------------------------------------|---|
| <b>Relevant Toxicity Information:</b> | The acute toxicity experiments performed thus far have as of yet not permitted the determination of an LD50 value as even the highest orally administered does have no lethal effects.<br>Investigations into representatives of this type provided no indication of a sensitizing potential. |
| <b>Acute Oral Toxicity:</b>           |   |
| <b>Component</b>                      |   |
| titanium (IV) oxide (13463-67):       | LD50 Rat: > 10,000mg/kg   |
| iron oxide (1309-37-1):               | LD50 Rat: > 5,000mg/kg OCED Test Guideline 401 (ECHA)   |
| <b>Skin Irritation:</b>               |   |
| <b>Component</b>                      |   |
| titanium (IV) oxide (13463-67):       | Rabbit; result: no skin irritation (IUCLID)   |
| iron oxide (1309-37-1):               | Rabbit; result: no skin irritation OCED Test Guideline 404 (ECHA)   |
| <b>Eye Irritation:</b>                |   |
| <b>Component</b>                      |   |
| titanium (IV) oxide (13463-67):       | Rabbit; result no eye irritation (IUCLID)   |
| iron oxide (1309-37-1):               | Rabbit; result no eye irritation OCED Test Guideline 405 (ECHA)   |
| <b>Sensitization:</b>                 |   |
| <b>Component</b>                      |   |

|  |  |
|--|--|
| iron oxide (1309-37-1):<br><b>Acute Inhalation Toxicity:</b><br><b>Component</b><br>iron oxide (1309-37-1):<br><b>Respiratory:</b>                 | Sensitization test: Guinea pig; result: Not a skin sensitizer. (ECHA)  |
| <b>Repeated Dose Toxicity:</b><br><b>Ingestion:</b><br><b>Carcinogenicity:</b><br><b>IARC:</b>   | LC50 Rat: 5 mg/l; 4h aerosol (ECHA) OCED Test Guideline 403<br>Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.<br>Not available<br>Not available<br>GROUP 1: Carcinogenic to humans<br>crystalline silica 1317-95-9<br>GROUP 2B: Possibly carcinogenic to humans<br>Titanium (IV) oxide 13463-67-7<br>GROUP 3: Not classifiable as to its carcinogenicity to humans<br>iron oxide (1309-37-1) 1309-37-1  |
| <b>OSHA:</b>   | No component of this product at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.   |
| <b>NTP:</b>  | Known to be human carcinogen<br>Crystalline silica 1317-95-9   |
| <b>Likely root of exposure:</b><br><b>Teratogenicity:</b><br><b>Germ Cell Mutagenicity:</b><br><b>Component</b><br>titanium (IV) oxide (13463-67): | Inhalation, eye contact, Skin contact, Ingestion<br>Not available<br>Not available<br>Genotoxicity in vitro. Chromosome aberration test in vitro. Chinese hamster ovary cells; result, negative. Metabolic activation: with and without metabolic activation. Method: OECD Test Guideline 473 (ECHA).  |
| iron oxide (1309-37-1):  | Genotoxicity in vivo. Rat; result: negative (ECHA)<br>Genotoxicity in vitro. Ames test; Salmonella typhimurium, result: negative (ECHA)  |
| <b>Embryotoxicity:</b><br><b>Specific Target Organ Toxicity:</b><br><b>Reproductive Toxicity:</b><br><b>Respiratory/Skin Sensitization:</b>        | Not available<br>Not available<br>Not available<br>Not available   |
| <b>Experience with Human Exposure:</b>   | The results of animal experiments using pigments of this type indicate no toxicological relevant properties. Since the substance is poorly absorbed, no hazardous properties are to be anticipated. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions. The individual test results were as follows: skin tolerance (rabbit): no irritant effect; eye irritation test (rabbit): no irritant effect; sensitization test (guinea pig): no sensitizing potential. LD <sub>50</sub> (oral, rat): not determinable; all animals still alive after 15,000 mg/kg. Subchronic toxicity (rat); 5% of the product added to the feed for a period of 2.5 years did not show any toxicological changes or carcinogenic effects in animals. LC <sub>50</sub> (inhalational, rat): male animals: between 4.6 and 14.9 mg/l air; female animals: > 14.9mg/l air. The product did not show any genotoxic effects in the micronucleus test carried out in rats in concentrations of up to 2000 mg/kg (limit test). Handle in accordance with good industrial hygiene and safety practice. |

## 12 ECOLOGICAL INFORMATION

|                                       |   |
|---------------------------------------|---|
| <b>Ecotoxicity</b>                    |   |
| <b>Aquatic Vertebrate:</b>            | Toxicity to fish:<br>titanium (IV) oxide: LC0 Leuciscus idus (Golden orfe): >1,000 mg/l   |
| <b>Aquatic Invertebrate:</b>          | Toxicity to Bacteria:<br>Titanium (IV) oxide: EC0 Pseudomonas fluorescens: > 5,000 mg/l<br>iron oxide: EC50 Daphnia magna (Water flea): > 100mg/l; 48h OCED Test Guideline 202 (ECHA) |
| <b>Persistence and Degradability:</b> | Not available   |
| <b>Biodegradability:</b>              | Not available   |
| <b>Bioaccumulative Potential:</b>     | Partition coefficient: <i>n-octanol/water</i>   |
| <b>Mobility in Soil:</b>              | Not available   |

## 13 DISPOSAL CONSIDERATIONS

|                            |   |
|----------------------------|---|
| <b>Waste Residues:</b>     | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container. |
| <b>Product Containers:</b> | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container. |

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

|  |   |
|--|---|
| <b>DOT (Dept. of Transportation, USA):</b>               | Not classified as dangerous in the meaning of transport regulations |
| <b>TDG (Transportation of Dangerous Goods, Canada):</b>  | No data available   |
| <b>IMDG (International Maritime Dangerous Goods):</b>    | Not classified as dangerous in the meaning of transport regulations |
| <b>IATA (International Air Transport Association):</b>   | Not classified as dangerous in the meaning of transport regulations |
| <b>ICAO (International Civil Aviation Organization):</b> | No data available   |

## 15 REGULATORY INFORMATION

### EPCRA-EMERGENCY Planning and Community Right-to-Know

|   |  |
|---|--|
| <b>CERCLA Reportable Quantity:</b>  | This material does not contain any components with a CERCLA RQ.  |
| <b>SARA 304 Extremely Hazardous Substances Reportable Quantity:</b>               | This material does not contain any components with a section 304 EHS RQ.   |
| <b>SARA 302:</b>  | No chemicals in the material are subject to the reporting requirements of SARA Title III, section 302.   |
| <b>Sara 313:</b>  | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.  |
| <b>Clean Air Act:</b>   | This product neither contains, nor was manufactured with Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).<br>This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).<br>This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112 for Accidental Release Prevention (40 CFR 68.130, Subpart F).<br>This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489) |
| <b>Clean Water Act:</b>   | This product does not contain Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.<br>This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.<br>This product does not contain any toxic pollutants listed under the U.S. Clean water Act Section 301.  |
| <b>US State Regulations</b>   |  |
| <b>Massachusetts Right to Know:</b>   | Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, iron oxide 1309-37-1  |
| <b>Pennsylvania Right to Know:</b>  | Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, iron oxide 1309-37-1  |
| <b>New Jersey Right to Know:</b>  | Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, iron oxide 1309-37-1, crystalline silica 1317-95-9  |
| <b>California Prop. 65:</b>   | WARNING: This product can expose you to one or more chemicals which is known to the State of California to cause cancer. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a><br>Titanium (IV) oxide 13463-67-7<br>crystalline silica 1317-95-9  |
| <b>The ingredients of this product are reported in the following inventories:</b> |  |
| <b>DSCL (EEC):</b>  | This product or its components are listed on or compliant with the DSL.  |
| <b>TSCA:</b>  | All components of the product are listed in the TSCA inventory.  |

## 16 OTHER INFORMATION

**Revision Date:** 04-Mar-2022

**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.