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

Product Name: Mica Gold
Synonyms: No data available
INCI Name: Mica (CI 77019), titanium dioxide (CI 77891), iron oxide (CI 77491), crystalline silica
CAS Number: 12001-26-2, 13463-67-7, 1309-37-1, 1317-95-9
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)

Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not a dangerous substance according to GHS
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: P260: Do not breathe dust.
Potential Health Hazards: Eyes: Not expected to be irritant.
Inhalation: Not expected to be irritant.
Skin: Not expected to be irritant.
Ingestion: Not expected to be irritant.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
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

Eyes: Rinse out with plenty of water. Seek medical attention if necessary.
Inhalation: Remove victim to fresh air. Seek medical attention if necessary.
Skin: Take off immediately all contaminated clothing. Rinse skin with water/shower. Seek medical attention if necessary.
Ingestion: 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

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

Component	Exposure Limits	Basis	Entity
General Threshold limit value for dust	5 mg/m^3	TWA (respirable fraction)	Z1A
	15 mg/m^3	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^3	TWA (total dust)	Z1A
	5 mg/m^3	TWA (respirable fraction)	Z1A
	5 mg/m^3	PEL (respirable fraction)	OSHA_TRANS
	15 mg/m^3	TWA (total dust)	OSHA_TRANS
	10 mg/m^3	TWA (inhalable particles)	ACGIH
	3 mg/m^3	TWA (respirable particles)	ACGIH
Mica (CI 77019)	3 mg/m^3	TWA (respirable fraction)	ACGIH
	3 mg/m^3	REL (respirable)	NIOSH/GUIDE
	3 mg/m^3	TWA (respirable dust)	Z1A
	20millions of particles per cubic foot of air	TWA	Z1A
Titanium Dioxide (CI 77891)	10 mg/m^3	TWA	ACGIH
	15 mg/m^3	TWA (total dust)	OSHA_TRANS
	10 mg/m^3	TWA (total dust)	Z1A
Iron Oxide (CI 77491)	5 mg/m^3	TWA (respirable fraction)	ACGIH
	5 mg/m^3	REL (dust and fume)	NIOSH/GUIDE
	10 mg/m^3	PEL (fume)	OSHA_TRANS
	10 mg/m^3	TWA (fume)	Z1A
Crystalline Silica	0.025 mg/m^3	TWA (respirable fraction)	ACGIH
	0.1 mg/m^3	TWA (respirable dust) (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:

Eyes:	Safety glasses should be worn.
Inhalation:	Required when dusts are generated. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard id 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.
Body:	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.
Other:	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

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

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

Relevant Toxicity Information: 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.
Investigations into representatives of this type provided no indication of a sensitizing potential.

Acute Oral Toxicity:

Component	
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)

Skin Irritation:

Component	
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)

Eye Irritation:

Component	
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)

Sensitization:

Component

iron oxide (1309-37-1):	Sensitization test: Guinea pig; result: Not a skin sensitizer. (ECHA)
Acute Inhalation Toxicity:	
Component	
iron oxide (1309-37-1):	LC50 Rat: 5 mg/l: 4h aerosol (ECHA) OCED Test Guideline 403
Respiratory:	Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.
Repeated Dose Toxicity:	Not available
Ingestion:	Not available
Carcinogenicity:	
IARC:	GROUP 1: Carcinogenic to humans crystalline silica 1317-95-9 GROUP 2B: Possibly carcinogenic to humans Titanium (IV) oxide 13463-67-7 GROUP 3: Not classifiable as to its carcinogenicity to humans iron oxide (1309-37-1) 1309-37-1
OSHA:	No component of this product at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP:	Known to be human carcinogen Crystalline silica 1317-95-9
Likely root of exposure:	Inhalation, eye contact, Skin contact, Ingestion
Teratogenicity:	Not available
Germ Cell Mutagenicity:	
Component	
titanium (IV) oxide (13463-67):	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) Genotoxicity in vitro. Ames test; Salmonella typhimurium, result: negative (ECHA)
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	Not available
Experience with Human Exposure:	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##$_0$(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_{50} (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

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

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product Containers:	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

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

15 REGULATORY INFORMATION

EPCRA-EMERGENCY Planning and Community Right-to-Know

CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity:	This material does not contain any components with a section 304 EHS RQ.
SARA 302:	No chemicals in the material are subject to the reporting requirements of SARA Title III, section 302.
Sara 313:	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.
Clean Air Act:	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). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S> Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Section 112® for Accidental Release Prevention (40 CFR 68. 130, Subpart F). This product does not contain any chemicals listed under the U.S.+ Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489)
Clean Water Act:	This product does not contain Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean water Act Section 301.
US State Regulations	
Massachusetts Right to Know:	Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, iron oxide 1309-37-1
Pennsylvania Right to Know:	Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, iron oxide 1309-37-1
New Jersey Right to Know:	Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, iron oxide 1309-37-1, crystalline silica 1317-95-9
California Prop. 65:	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 www.P65Warnings.ca.gov Titanium (IV) oxide 13463-67-7 crystalline silica 1317-95-9
The ingredients of this product are reported in the following inventories:	
DSCL (EEC):	This product or its components are listed on or compliant with the DSL.
TSCA:	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 suitableness & completeness of such information for his own particular use.