

## Mica Interference Copper

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

Revision Date: 20-Jun-2022  
Supersedes: 3-Mar-2015

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Mica Interference Copper	<b>Distributor:</b>	MakingCosmetics.com Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE
<b>INCI Name:</b>	Mica (CI 77019), titanium dioxide (CI 77891), silica		Redmond, WA 98053 (USA)
<b>CAS Number:</b>	12001-26-2, 13463-67-7, 7631-86-9	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>Formula:</b>	Not available	<b>Web:</b>	www.makingcosmetics.com
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 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. Inhalation: Not expected to be irritant. Skin: Not expected to be irritant. Ingestion: No 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	≥30-<50%	Not available
Titanium dioxide (CI 77891)	13463-67-7	≥50-<70%	Not available
Silicon dioxide	7631-86-9	≥10-<30%	Not available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Rinse with plenty of water. Seek medical attention if necessary
<b>Inhalation:</b>	Remove victim to fresh air. Get 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>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. For this substance no limitations of extinguishing agents are given.
<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>Specific hazards arising from the chemical:</b>	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 release into sewers/public water. Notify environmental authorities in case of large volume.

**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.

**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
	50 millions of particles/cubic foot of air	TWA (total dust)	Z1A
	15 millions 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
	3 mg/m <sup>3</sup>	TWA (respirable particles)	ACGIH
Titanium Dioxide (CI 77891)	10 mg/m <sup>3</sup>	TWA	ACGIH
	15 mg/m <sup>3</sup>	PEL (total dust)	OSHA_TRANS
	10 mg/m <sup>3</sup>	TWA (total dust)	Z1A
Mica (CI 77019)	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
	20 millions of particles/cubic foot of air	TWA	Z1A
Silicon Dioxide	6 mg/m <sup>3</sup>	REL	NIOSH/GUIDE
	6 mg/m <sup>3</sup>	TWA	Z1A
	20 millions of particles/cubic foot air	TWA	Z1A
	0.8 mg/m <sup>3</sup>	TWA (The exposure limit is calculated from the equation, 80/(%SiO <sub>2</sub> ), using a value of 100% SiO <sub>2</sub> . Lower values of %SiO <sub>2</sub> will give higher exposure limits.)	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>	No data available
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Light yellow	<b>Flammability (solid, gas):</b>	Product is not flammable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH @ 68 °F/20 °C (100 g/L):</b>	8.0-11.0	<b>Flash Point:</b>	Not applicable
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	No data available	<b>Solubility in Water @ 68 °F (20 °C):</b>	Insoluble in water
<b>Bulk Density:</b>	280-340 kg/m <sup>3</sup>	<b>Auto-ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	Not classified as explosive
<b>Oxidizing Properties:</b>	None	<b>Density (at 68 °F/20 °C):</b>	2.8-3.2 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>Possibility of Hazardous Reactions:</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>Acute Oral Toxicity:</b>	
<b>Component</b>	
titanium (IV) oxide (13463-67-7):	LD50 Rat > 10,000 mg/kg
<b>Skin Irritation:</b>	
<b>Component</b>	
titanium (IV) oxide (13463-67-7):	Rabbit; result: no skin irritation (IUCLID)
silicon dioxide (7631-86-9):	Rabbit; result: no irritation (OECD Test Guideline 404)
<b>Eye Irritation:</b>	
titanium (IV) oxide (13463-67-7):	Rabbit; result: no eye irritation (IUCLID)
silicon dioxide (7631-86-9):	Rabbit; result: no eye irritation (OECD Test Guideline 405)
<b>Sensitization:</b>	
silicon dioxide (7631-86-9):	Sensitization test: Guinea Pig; result: negative (IUCLID)
<b>Likely Route of Exposure:</b>	Inhalation, eye contact, skin contact, ingestion
<b>Target Organs:</b>	Respiratory system, eyes
<b>Specific Target Organ Systemic Toxicity:</b>	The substance or mixture is not classified as specific target organ toxicant upon single or repeated exposure.

<b>Aspiration Hazard:</b>	Regarding the available data the classification criteria are not fulfilled.
<b>Carcinogenicity:</b>	Group 2B: Possibly carcinogenic to humans
<b>IARC:</b>	Titanium (IV) oxide 13463-67-7
<b>OSHA:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>ACGIH:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by ACGIH.
<b>Teratogenicity:</b>	Not available
<b>Embryotoxicity:</b>	Not available
<b>Genotoxicity:</b>	
<b>Component</b>	
silicon dioxide (7631-86-9):	In vitro. Ames test (Salmonella typhimurium): results: negative (IUCLID)
<b>Mutagenicity:</b>	
<b>Component</b>	
silicon dioxide (7631-86-9):	Mammal cell test: chromosome aberration. Results: negative (IUCLID)
<b>Reproductive Toxicity:</b>	Not available
<b>Respiratory/Skin Sensitization:</b>	Not available
<b>Further Information:</b>	<p>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; subchronic toxicity (rat): no findings up to 20,000 ppm. LD<sub>50</sub>(oral, rat): not determinable; all animals still alive after 15,000 mg/kg.</p> <p>Chronic 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.</p> <p>LC<sub>50</sub> (inhalational, rat): male animals: between 4.6 and 14.9 mg/l air; female animals: &gt;14.9mg/l air.</p> <p>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).</p> <p>Handle in accordance with good industrial hygiene and safety practice.</p>

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Aquatic Vertebrate:</b>	<p>Toxicity to fish: titanium (IV) oxide: LC0 Leuciscus idus (Golden orfe): &gt;1,000 mg/l</p> <p>Toxicity to bacteria: titanium (IV) oxide: EC0 Pseudomonas fluorescens: &gt; 5,000 mg/l</p>
<b>Aquatic Invertebrate:</b>	<p>Toxicity to daphnia and other aquatic invertebrates: silicon dioxide: EC0 Daphnia magna (Water flea): &gt; 50,000mg/l; 24h OCED Test Guideline 202</p>
<b>Algae:</b>	<p>Toxicity to algae: silicon dioxide: IC50 Pseudokirchneriella subcapitata (green algae): 440 mg/l; 72h (IUCLID) silicon dioxide: NOEC Pseudokirchneriella subcapitata (green algae): 60 mg/l; 72h (IUCLID)</p>
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<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 significantly 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>	Not classified
<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>	Not classified

## 15 REGULATORY INFORMATION

### United States of America

**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 Water Act:** This product does not contain any 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.

**DEA List I:** Not listed

**DEA List II:** Not listed

### US State Regulations

**Massachusetts Right to Know:** Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, silicon dioxide 7631-86-9

**Pennsylvania Right to Know:** Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, silicon dioxide 7631-86-9

**New Jersey Right to Know:** Mica (muscovite) 12001-26-2, titanium (IV) oxide 13463-67-7, silicon dioxide 7631-86-9

**California Proposition 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](http://www.P65Warnings.ca.gov)  
Titanium (IV) oxide 13463-67-7

**The ingredients of this product are reported in the following inventories:**

**TSCA:** All ingredients are listed in the TSCA-inventory.

**DSL:** All ingredients are listed on the Canadian DSL.

**KOREA:** Not in compliance with the inventory

## 16 OTHER INFORMATION

**Revision Date:** 20-Jun-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.