

Mica Interference Copper

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

Revision Date: 18-Mar-2024
Supersedes: 13-Jan-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Mica Interference Copper	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Titanium Dioxide (CI 77891), Mica (CI 77019), Silica	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	13463-67-7, 12001-26-2, 7631-86-9	Web:	www.makingcosmetics.com
Formula:	No data available	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)	
Product Form:	Solid		
Product Use:	Cosmetic use		

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:	None.		
Potential Health Hazards:	Eyes: Not expected to be an irritant. Inhalation: Not expected to be an irritant. Skin: Not expected to be an irritant. Ingestion: May cause nausea, vomiting, or diarrhea.		
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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Titanium Dioxide (CI 77891)	13463-67-7	48 - 58%	Not Available
Mica (CI 77019)	12001-26-2	28 - 42%	Not Available
Silica	7631-86-9	10 - 14%	Not Available

4 FIRST AID MEASURES

Eyes:	Rinse out with plenty of water. Remove contact lenses. Seek medical attention if necessary.
Inhalation:	Move to fresh air. Seek medical attention if necessary.
Skin:	Remove clothing contaminated with the product immediately. Wash with soap and water. 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. Seek medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Suppress (knock down) gases/vapors/mists with a water spray jet. For this substance no limitations of extinguishing agents are given for adjacent fire.
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:

Not combustible. Ambient fire may liberate hazardous vapors.

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/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. Do not try to clean up the leak without the proper protective equipment. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety practices. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store tightly closed and dry. Store away from 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>
General threshold limit value for dust	15 mg/m ³ (total dust)	TWA	OSHA Z-3
	5 mg/m ³ (respirable fraction)	TWA	OSHA Z-3
	50 million particles per cubic foot (total dust)	TWA	OSHA Z-3
	15 million particles per cubic foot (respirable fraction)	TWA	OZHA Z-3
Titanium(IV) oxide	15 mg/m ³ (total dust)	TWA	OSHA Z-1
	10 mg/m ³ (total dust)	TWA	OSHA P0
	10 mg/m ³ (titanium dioxide)	TWA	ACGIH
Mica (muscovite)	3 mg/m ³ (respirable particulate matter)	TWA	ACGIH
	3 mg/m ³ (respirable)	TWA	NIOSH REL
	3 mg/m ³ (respirable dust fraction)	TWA	OSHA P0
	20 million particles per cubic Foot (dust)	TWA	OSHA Z-3
Silicon dioxide	20 million particles per cubic foot (dust)	TWA	OSHA Z-3
	80 mg/m ³ / %SiO ₂ (dust)	TWA	OSHA Z-3
	6 mg/m ³	TWA	NIOSH REL

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:	Air purifying masks are required when dust is generated.
Body:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.
Other:	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Change contaminated clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid or Powder	Vapor Pressure:	No data available
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Light yellow	Flammability:	The product is not flammable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH at 68 °F (20 °C):	8.0-11.0 at 100 g/l (slurry)	Flash Point:	Not applicable
Boiling Point:	No data available	Specific Gravity:	No data available
Bulk Density:	280-340 kg/m ³	Water Solubility 68 °F (20 °C):	Practically insoluble
Density 68 °F (20 °C):	2.8-3.2 g/cm ³	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	log Pow: < 0.5	Decomposition Temperature:	No data available
Oxidizing Properties:	None	Explosive Properties:	Not classified as explosive

10 STABILITY AND REACTIVITY

Reactivity:	The product is chemically stable under standard ambient conditions (room temperature).
Chemical Stability:	The product is chemically stable under standard ambient conditions (room temperature).
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Avoid sources of ignition, gases, vapors, mists.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	Not combustible. Ambient fire may liberate hazardous vapors.

11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	
Component	
Titanium (IV) oxide(13463-67-7):	LD50 Rat: > 10,000 mg/kg
Silicon dioxide(7631-86-9):	LD50 Rat: > 5,000 mg/kg (OECD Test Guideline 401).
Acute Inhalation Toxicity:	
Component:	
Silicon dioxide (7631-86-9)	LC50 Rat: > 0.14 mg/l; 4 hours, dust/mist; highest concentration to be prepared (OECD Test Guideline 403).
Skin Irritation:	
Component:	
Titanium (IV) oxide(13463-67-7):	Rabbit: result: no skin irritation (IUCLID).
Silicon dioxide(7631-86-9):	LD50 Rabbit: > 5,000 mg/kg (IUCLID).
Eye Irritation:	
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).
Sensitization:	
Titanium (IV) oxide (13463-67-7):	Local lymph node assay (LLNA), Mouse, Result: negative (OECD Test Guideline 429).
Silicon dioxide (7631-86-9):	Sensitization test: Guinea Pig; result: negative (IUCLID).
Ingestion:	No data available.
Likely Routes of Exposure:	Inhalation, eye contact, skin contact, ingestion.
Carcinogenicity:	Animal testing did not show any carcinogenic effects.
IARC:	Titanium(IV) oxide (13463-67-7) Group 2B: Possibly carcinogenic to humans.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Teratogenicity:	
Silicon dioxide (7631-86-9):	Did not show mutagenic or teratogenic effects in animal experiments.
Germ Cell Mutagenicity:	
Titanium(IV) oxide (13463-67-7):	Chinese hamster ovary cells: Result: negative. Metabolic activation: with/without metabolic activation (OECD Test Guideline 473).

<p>Silicon dioxide (7631-86-9): Single Exposure (STOT): Silicon dioxide (7631-86-9):</p> <p>Repeated Dose Toxicity: Silicon dioxide (7631-86-9):</p> <p>Genotoxicity in Vitro: Silicon dioxide (7631-86-9):</p> <p>Mutagenicity: Silicon dioxide (7631-86-9):</p> <p>Sensitization: Silicon dioxide (7631-86-9):</p> <p>Further Toxicity Information:</p>	<p>Result (rat): negative</p> <p>The substance or mixture is not classified as specific target organ toxicant, single exposure.</p> <p>Oral (male/female rat): 13 weeks daily; NOAEL: 4,000 mg/kg (OECD Test Guideline 408). Inhalation: Rat (male/female) 13 weeks daily (OECD Test Guideline 413).</p> <p>(Ames test) Salmonella typhimurium. Result: negative (IUCLID).</p> <p>(Mammal cell test): Chromosome aberration. Result: negative (IUCLID). Animal did not show any mutagenic effects.</p> <p>Did not cause sensitization on laboratory animals.</p> <p>The results of animal experiments using pigments of this type indicate no toxicologically 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; subchronictoxicity (rat): no findings up to 20,000 ppm. LD₅₀(oral, rat): not determinable; all animals still alive after 15,000 mg/kg. 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. LC₅₀ (inhalational, rat): male animals: between 4.6 and 14.9 mg/l air; female animals: > 14.9 mg/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).</p>
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12 ECOLOGICAL INFORMATION

<p>Ecotoxicity:</p> <p>Aquatic Vertebrate: Titanium(IV) oxide (13463-67-7): Silicon dioxide (7631-86-9):</p> <p>Aquatic Invertebrate: Titanium(IV) oxide (13463-67-7): Silicon dioxide (7631-86-9):</p> <p>Terrestrial: Titanium(IV) oxide (13463-67-7):</p> <p>Persistence and Degradability:</p> <p>Titanium(IV) oxide (13463-67-7): Silicon dioxide (7631-86-9):</p> <p>Bioaccumulative Potential:</p> <p>Mobility in Soil:</p> <p>PBT and vPvB Assessment:</p> <p>Other Adverse Effects:</p>	<p>No ecological problems are to be expected when the product is handled and used with due care and attention.</p> <p>LC0 (Golden orfe): > 1,000 mg/l Static Test LC50 (Zebra fish): 10,000 mg/l; 96 hours (OECD Test Guideline 203) Chronic toxicity (NOEC Fish): 86.03 mg/l; 30 days</p> <p>Static Test EC50 (Water flea): > 1,000 mg/l; 24 hours, Static (OECD Test Guideline 202) Chronic toxicity (Water flea): 34.2 mg/l; 30 days</p> <p>ECO (Pseudomonas fluorescens): > 5,000 mg/l Not readily biodegradable. Methods for determining biodegradability are not applicable to inorganic substances.</p> <p>LC50 (Pseudokirchneriella subcapitata): 440 mg/l; 72 hours (IUCLID) NOEC (Pseudokirchneriella subcapitata): 60 mg/l; 72 hours (IUCLID)</p> <p>Bioaccumulation is not expected.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p>
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13 DISPOSAL CONSIDERATIONS

<p>Waste Residues:</p> <p>Product Containers:</p>	<p>Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. 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.</p> <p>Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. 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.</p>
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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 goods.
TDG (Transportation of Dangerous Goods, Canada):	Not classified as dangerous goods.
IMDG (International Maritime Dangerous Goods):	Not classified as dangerous goods.
IATA (International Air Transport Association):	Not classified as dangerous goods.
ICAO (International Civil Aviation Organization):	Not classified as dangerous goods.

15 REGULATORY INFORMATION

CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304:	This material does not contain any components with a section 304 EHS RQ.
SARA 302:	No chemicals in this 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 a 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 Act Section 112(r) 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 SOCM Intermediate or Final VOC's (40 CFR 60.489).
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. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 30.
MA Right to Know:	titanium (IV) oxide (13463-67-7), mica muscovite (12001-26-2) silicon dioxide (7631-86-9)
PA Right to Know:	titanium (IV) oxide (13463-67-7), mica muscovite (12001-26-2) silicon dioxide (7631-86-9)
NJ Right to Know:	titanium (IV) oxide (13463-67-7), mica muscovite (12001-26-2)
TSCA Inventory Status:	This product is regulated under the Food, Drug, and Cosmetic Act and is exempt from TSCA.
Canada (DSL):	This product or its components are listed on or compliant with the DSL.
California Prop. 65:	WARNING: This product can expose you to chemicals including titanium (IV) oxide, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

16 OTHER INFORMATION

Revision Date:	18-Mar-2024
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.