Mica Beige

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

Revision Date: 01-Apr-2024
Supersedes: 19-Apr-2022

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Mica Beige
Synonyms: No data available
INCI Name: Mica, Titanium Dioxide, Iron Oxides
CAS Number: 12001-26-2, 13463-67-7, 1309-37-1
Formula: No data available
Product Form: Liquid
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 a hazardous substance or mixture.
GHS Labeling: Not a hazardous substance or mixture.
GHS Hazard Pictograms: None.
GHS Hazard Statements: None.
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: Not expected to be an irritant.
Inhalation: May be an irritant.
Skin: Not expected to be an irritant.
Ingestion: May be an 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	41 - 61%	Not Available
Titanium Dioxide ((CI 77891)	13463-67-7	25 - 37%	Not Available
Iron Oxides (CI 77491)	1309-37-1	14 - 22%	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: Take off immediately all contaminated clothing. Rinse skin with water and/or 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. Seek medical attention if necessary.
General Notes: We have no description of any toxic symptoms.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters: Use self-contained air supplied breathing apparatus and full protective clothing, including eye protection and boots. Suppress (knock down) gases/vapors/mists with a water spray jet.
Flash Points: Not applicable.
Specific hazards arising from the Not combustible. Ambient fire may liberate hazardous vapors. See also stability and reactivity

chemical: 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/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up: 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: Observe label precautions. 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, in a dry area. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
General threshold limit value for dust	15 mg/m3 (total dust)	TWA	OSHA Z-3
	5 mg/m3 (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	OSHA Z-3
Mica (muscovite)	3 mg/m3 (respirable)	TWA	NIOSH REL
	3 mg/m3 (respirable dust fraction)	TWA	OSHA P0
	20 million particles per cubic foot (dust)	TWA	OSHA Z-3
	0.1 mg/m3 (respirable particulate matter)	TWA	ACGIH
Titanium(IV) oxide (Titanium Dioxide)	15 mg/m3 (total dust)	TWA	OSHA Z-1
	10 mg/m3 (total dust)	TWA	OSHA P0
	10 mg/m3 (titanium dioxide)	TWA	ACGIH
Iron oxide	5 mg/m3 (respirable particulate matter)	TWA	ACGIH
	5 mg/m3 (Iron) (dust and fume)	TWA	NIOSH REL
	10 mg/m3 (fumes)	TWA	OSHA Z-1
	15 mg/m3 (total dust)	TWA	OSHA Z-1
	5 mg/m3 (respirable fraction)	TWA	OSHA Z-1
	10 mg/m3 (fumes)	TWA	OSHA P0

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: Wear safety glasses.
Inhalation: Respiratory protection is required when dusts is generated.
Body: Chemical-resistant, impervious gloves complying with an approved standard, along with full protective clothing

should be worn at all times when handling chemical products.

Other: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Always change contaminated clothing and 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
Form:	Solid	**Evaporation Rate:**	No data available
Color:	Beige	**Flammability (solid, gas):**	Not flammable
Particle Size:	< 15.0 µm	**Upper/lower Explosive Limit:**	Not applicable
pH:	substance/mixture is non-soluble (in water)	**Flash Point:**	Not applicable
Boiling Point:	No data available	**Specific Gravity:**	No data available
Melting Point:	No data available	**Water Solubility at 68°F (20°C):**	Practically insoluble
Bulk Density:	310 - 350 kg/m3	**Auto-Ignition Temperature:**	Not applicable
Partition Coefficient: n-octanol/water:	Not applicable	**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:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Ambient fire may liberate hazardous vapors.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:

Component	
Titanium(IV) oxide (13463-67-7):	Rat LD50: > 10,000 mg/kg.
Iron oxide (1309-37-1):	Rat LD50: > 5,000 mg/kg (ECHA).

Skin Irritation:

Component	
Titanium(IV) oxide (13463-67-7):	Rabbit: No skin irritation (IUCLID).
Iron oxide (1309-37-1):	Rabbit: No skin irritation OECD Test Guideline 404 (ECHA).

Eye Irritation:

Component:	
Titanium(IV) oxide (13463-67-7):	Rabbit: No eye irritation (IUCLID).
Iron oxide (1309-37-1):	Rabbit: No eye irritation OECD Test Guideline 405 (ECHA).

Respiratory: Rat: Male animals: between 4.6 and 14.9 mg/l air; female animals: > 14.9 mg/l air.

Component	
Iron oxide (1309-37-1):	LC50 Rat: 5 mg/l; 4 hours; aerosol OECD Test Guideline 403 (ECHA).

Ingestion: Rat: Not determinable; all animals still alive after 15,000 mg/kg.

Likely Route of Exposure: Inhalation, eye contact, skin contact, ingestion.

Carcinogenicity: Titanium(IV) oxide: Carcinogenicity classification not possible from current data.

IARC:	Group 2B: Possibly carcinogenic to humans: titanium(IV) oxide (13463-67-7).
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.

Genotoxicity in Vitro:

Component

Titanium(IV) oxide (13463-67-7):	(Chinese hamster ovary cells) Chromosome aberration test in vitro: Result: negative; Metabolic activation: with and without metabolic activation; Method: OECD Test Guideline 473 (ECHA)
Iron oxide (1309-37-1):	Ames test: negative; Metabolic activation: with and without metabolic activation (ECHA)
Genotoxicity in Vivo:	
Component	
Iron oxide (1309-37-1):	Rat: Negative (ECHA).
Genotoxic Effects:	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).
Subchronic Toxicity:	Rat: no appreciable findings up to 50 000 ppm.
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.
Sensitization:	
Component	
Titanium(IV) oxide (13463-67-7):	Mouse Local lymph node assay (LLNA): Result: negative. Method: OECD Test Guideline 429 (ECHA).
Iron oxide (1309-37-1):	Guinea Pig Maurer optimisation test: Not a skin sensitizer (ECHA).
Experience with Human Exposure:	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.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No ecological problems are to be expected when the product is handled and used with due care and attention.
Aquatic Vertebrate:	Titanium(IV) oxide (13463-67-7): LC0 (Golden orfe) Leuciscus idus: > 1,000 mg/l. Iron oxide (1309-37-1): Danio rerio (zebra fish) static test: 96 hours.
Aquatic Invertebrate:	Iron oxide (1309-37-1): Daphnia magna (Water flea) Static test EC50: > 100 mg/l; 48 hours OECD Test Guideline 202 (ECHA) (Above the solubility limit in the test medium).
Terrestrial:	Titanium(IV) oxide (13463-67-7): EC0 Pseudomonas fluorescens: > 5,000 mg/l Iron oxide (1309-37-1): (Activated sludge) Static test EC50: > 10,000 mg/l; 3 h (ECHA) (above the solubility limit in the test medium).
Persistence and Degradability:	Titanium(IV) oxide (13463-67-7): Not readily biodegradable.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product Containers:	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.

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 extremely hazardous reportable quantity.

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 SOCMI 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 307.

MA Right to Know: mica (muscovite) 12001-26-2, titanium(IV) oxide 13463-67-7, iron oxide 1309-37-1.

PA Right to Know: mica (muscovite) 12001-26-2, titanium(IV) oxide 13463-67-7, iron oxide 1309-37-1.

NJ Right to Know: mica (muscovite) 12001-26-2, titanium(IV) oxide 13463-67-7, iron oxide 1309-37-1.

TSCA Inventory Status: This product is regulated under the Food, Drug, and Cosmetic Act and is exempt from TSCA.

Canada (DSL): All components of this product are on the Canadian DSL.

California Prop. 65: WARNING: This product can expose you to chemicals including titanium (IV) oxide (13463-67-7), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov7

16 OTHER INFORMATION

Revision Date: 01-Apr-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 suitableness & completeness of such information for his own particular use.