Mica Interference Violet

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

Revision Date: 26-Mar-2024
Supersedes: 13-Jan-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Mica Interference Violet
Synonyms: No data available
INCI Name: Titanium Dioxide, Mica, Silica
CAS Number: 13463-67-7, 12001-26-2, 7631-86-9
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 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: May causes eye irritation.
Inhalation: May cause respiratory tract irritation.
Skin: No hazards known.
Ingestion: No hazards known.

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
Titanium Dioxide (CI 77891)	13463-67-7	50 - 70%	Not Available
Mica (CI 77019)	12001-26-2	30 - 50%	Not Available
Silica	7631-86-9	10 - 12%	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/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 feeling unwell.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters: Use air supplied breathing equipment and full protective clothing, including eye protection and boots. Suppress (knock down) gases/vapors/mists with a water spray jet.
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 dust. 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
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
Mica (muscovite)	3 mg/m3 (respirable dust fraction)	TWA	OSHA P0
	3 mg/m3 (respirable)	TWA	NIOSH REL
	20 million particles per cubic foot (dust)	TWA	OSHA Z-3
	3 mg/m3 (respirable particulate matter)	TWA	ACGIH
Silicon dioxide (Silica)	80 mg/m3 / %SiO2 (dust)	TWA	OSHA Z-3
	6 mg/m3 (silica)	TWA	NIOSH REL
	20 million particles per cubic foot (dust)	TWA	OSHA Z-3

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 and 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. Change contaminated clothing. Wash hands after working with substance. 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:**	No data available
Odor:	Odorless	**Vapor Density:**	No data available
Form:	Solid	**Particle Size:**	10.0 - 60.0 µm (particle size) 18.0 - 25.0 µm (mean particle size)
Color:	Light yellow	**Flammability (solid, gas):**	Not flammable
Bulk Density:	300 -360 kg/m3	**Upper/lower Explosive Limit:**	No data available
pH 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
Partition Coefficient: n-octanol/water:	log Pow: < 0.5	**Water Solubility at 68°F (20°C):**	Practically insoluble
Density at 68°F (20°C):	2.8 - 3.2 g/cm3	**Auto-Ignition Temperature:**	No data available
Melting Point:	No data available	**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:	No data available.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:

Component

Titanium(IV) oxide:	(Rat) LD50: > 10,000 mg/kg.
Silicon dioxide:	(Rat) LD50: > 5,000 mg/kg OECD Test Guideline 401 (ECHA).

Acute Inhalation Toxicity:

Component

Silicon dioxide:	(Rat) LC50: > 0.14 mg/l; 4 hours; dust/mist (highest concentration to be prepared) (ECHA) OECD Test Guideline 403.

Acute Dermal Toxicity:

Component

Silicon dioxide:	(Rabbit) LD50: > 5,000 mg/kg (IUCLID).

Skin:

Component

Titanium(IV) oxide:	(Rabbit): No irritant effect (IUCLID).
Silicon dioxide:	(Rabbit): No skin irritation OECD Test Guideline 404 (ECHA).

Eyes:

Component

Titanium(IV) oxide:	(Rabbit) No eye irritation (IUCLID).
Silicon dioxide:	(Rabbit): No eye irritation OECD Test Guideline 405 (IUCLID).

Respiratory: Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

Ingestion: (Rat) LD50: not determinable; all animals still alive after 15,000 mg/kg.

Carcinogenicity:

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.

Routes of Exposure:	Inhalation, eye contact, skin contact, ingestion, experience with human exposure.
Teratogenicity:	Did not show mutagenic or teratogenic effects in animal experiments.
Germ Cell Mutagenicity:	
Component	
Titanium(IV) oxide:	(Chinese hamster ovary cells) Chromosome aberration test in vitro: Result: negative. Metabolic activation: with and without metabolic activation. OECD Test Guideline 473(ECHA).
Silicon dioxide:	(Rat) Genotoxicity in vivo: Result: negative (ECHA). (Salmonella typhimurium) Genotoxicity in vitro: Ames test; Result: negative (IUCLID). (Mammal cell test) Mutagenicity: chromosome aberration. Result: negative (IUCLID).
Repeated dose toxicity:	
Component	
Silicon dioxide:	(Rat): male/female (Oral) 13 weeks daily NOAEL: 4,000 mg/kg OECD Test Guideline 408(ECHA). (Rat) male/female (Inhalation) 13 weeks daily OECD Test Guideline 413 (ECHA).
Single Exposure (STOT):	
Component	
Silicon dioxide:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Reproductive Toxicity:	
Component	
Silicon dioxide:	No toxicity to reproduction.
Sensitization:	
Component	
Titanium (IV) oxide:	(Mouse) Local lymph node assay (LLNA): Results Negative. OECD Test Guideline 429 (ECHA).
Silicon dioxide:	(Guinea pig): no sensitizing potential (IUCLID).
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. 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. 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).Handle in accordance with good industrial hygiene and safety practice.

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: LC0 Leuciscus idus (Golden orfe): >1,000 mg/l. Silicon dioxide: static test LC50 Danio rerio (zebra fish): 10,000 mg/l; 24h. (Chronic toxicity) NOEC Fish: 86.03 mg/l; 30 d (ECHA).
Aquatic Invertebrate:	Titanium (IV) oxide: EC0 Pseudomonas fluorescens: > 5,000 mg/l. Silicon dioxide: EC50 Daphnia magna (Water flea): > 1,00mg/l; 24h. (Chronic toxicity) NOEC Daphnia sp. (water flea): 34.2 mg/l; 30 d (ECHA).
Aquatic Algae:	Silicon dioxide: IC50 Pseudokirchneriella subcapiata (green algae): 440 mg/l; 72h (IUCLID). NOEC Pseudokirchneriella subcapiata (green algae): 60mg/l; 72h (IUCLID).
Persistence and Degradability:	No data available.
Biodegradability:	Titanium(IV) oxide: Not readily biodegradable. Silicon dioxide: The methods for determining biodegradability are not applicable to inorganic substances.
Bioaccumulative Potential:	Bioaccumulation is not expected.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	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 regulated as dangerous goods.
TDG (Transportation of Dangerous Goods, Canada):	Not regulated as dangerous goods.
IMDG (International Maritime Dangerous Goods):	Not regulated as dangerous goods.
IATA (International Air Transport Association):	Not regulated as dangerous goods.
ICAO (International Civil Aviation Organization):	Not regulated as dangerous goods.

15 REGULATORY INFORMATION

TSCA Inventory Status:	This product is regulated under the Food, Drug, and Cosmetic Act and is exempt from TSCA.
CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances:	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 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:	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)
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 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.gov

16 OTHER INFORMATION

Revision Date:	26-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 suitableness & completeness of such information for his own particular use.