

Mica Red

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

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

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Mica Red	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Mica, Iron Oxides (CI 77491), Titanium Dioxide (CI 77891)	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	12001-26-2, 1309-37-1, 13463-67-7	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: Inert dusts may impair respiratory organ functions.
 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>
Mica	12001-26-2	46 - 54%	Not Available
Iron Oxides (CI 77491)	1309-37-1	46 - 51%	Not Available
Titanium Dioxide (CI 77891)	13463-67-7	≤3%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse out with plenty of water. Remove contact lenses.
Inhalation: Move victim to fresh air.
Skin: Take off immediately all contaminated clothing. Rinse skin with water and/or shower.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Not combustible. Use appropriate media for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters: Wear self-contained 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 chemical: Ambient fire may liberate hazardous vapors. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	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. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Observe label precautions. Use good personal hygiene practice. 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 (CAS: 42945)	15 mg/m ³	TWA (Total dust)	OSHA Z-3
	5 mg/m ³	TWA (respirable fraction)	OSHA Z-3
	50 Million particles per cubic foot	TWA (Total dust)	OSHA Z-3
	15 Million particles per cubic foot	TWA (Respirable fraction)	OSHA Z-3
Mica	3 mg/m ³	TWA (Respirable)	NIOSH REL
	3 mg/m ³	TWA (Respirable dust fraction)	OSHA P0
	3 mg/m ³	TWA (Respirable particulate matter)	ACGIH
	20 Million particles per cubic foot	TWA (Dust)	OSHA Z-3
Iron Oxides (CI 77491)	5 mg/m ³ (Iron)	TWA (Dust and fume)	NIOSH REL
	10 mg/m ³	TWA (Fumes)	OSHA Z-1
	15 mg/m ³	TWA (total dust)	OSHA Z-1
	5 mg/m ³	TWA (respirable fraction)	OSHA Z-1
	10 mg/m ³	TWA (Fumes)	OSHA P0
Titanium Dioxide (CI 77891)	5 mg/m ³	TWA (Respirable particulate matter)	ACGIH
	15 mg/m ³	TWA (Total dust)	OSHA Z-1
	10 mg/m ³	TWA (Total dust)	OSHA P0
	10 mg/m ³ (Titanium dioxide)	TWA	ACGIH

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:	Wear dust mask with particle filter when dust is generated.
Body:	Wear chemical-resistant, impervious gloves always complying with an approved standard when handling chemical products. Change contaminated clothing and wash hands after working with substance.
Other:	Use good personal hygiene practices. Technical measures and appropriate working operations should be given

priority over the use of personal protective equipment. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid (Powder)	Vapor Pressure:	Not applicable
Odor:	Odorless	Relative Vapor Density:	Not applicable
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Red brown	Flammability (Solid/Gas):	The product is not flammable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Not applicable
pH at 68 °F (20 °C):	3.0 - 8.0 at 100 g/l (slurry)	Flash Point:	Not applicable
Boiling Point/Range:	Not applicable	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Water Solubility at 68 °F (20 °C):	Practically insoluble
Density at 68 °F (20 °C):	3.3 - 3.5 g/cm ³	Auto-Ignition Temperature:	Not applicable
Bulk Density:	320 - 360 kg/m ³	Decomposition Temperature:	No data available
Partition Coefficient: n-octanol/water:	Not applicable	Explosive Properties:	Not classified as explosive
Viscosity, Dynamic:	Not applicable	Metal Corrosion:	No data available
Oxidizing Properties:	None	Particle Size:	10.0 - 60.0 µm (Particle size) 18.0 - 25.0 µm (Mean particle size)

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:	Ambient fire may liberate hazardous vapors.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	(Rabbit) no irritant effect.
Component	
Iron Oxides (CI 77491):	(Rabbit) Result: No skin irritation (ECHA) OECD Test Guideline 404.
Titanium Dioxide (CI 77891):	(Rabbit) Result: No skin irritation (IUCLID)
Eyes:	(Rabbit) no irritant effect.
Component	
Iron Oxides (CI 77491):	(Rabbit) Result: No eye irritation (ECHA) OECD Test Guideline 405.
Titanium Dioxide (CI 77891):	(Rabbit) Result: No eye irritation (IUCLID).
Inhalation:	Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions. (Rat) LC ₅₀ : male: between 4.6 and 14.9 mg/l air; female: > 14.9 mg/l air.
Component	
Iron Oxides (CI 77491):	(Rat) Acute inhalation toxicity; LC ₅₀ : 5 mg/l; 4 hours; aerosol (ECHA) OECD Test Guideline 403.
Ingestion:	(Rat, Oral) not determinable; all animals still alive after 15,000 mg/kg.
Component	
Iron Oxides (CI 77491):	(Rat) Acute oral toxicity; LD ₅₀ Rat: > 5,000 mg/kg (ECHA).
Titanium Dioxide (CI 77891):	(Rat) LD ₅₀ : > 10,000 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.

Likely Route of Exposure:	Inhalation, Eye contact, Skin contact, Ingestion.
Human Exposure Experience:	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 anticipated.
Sub-chronic 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.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	
Component	
Iron Oxides (CI 77491):	(Rat) Genotoxicity in vivo; Result: negative (ECHA). Genotoxicity in Vitro: Ames test; Result: negative; Metabolic activation: with and without metabolic activation (ECHA).
Titanium Dioxide (CI 77891):	(Chinese hamster ovary cells) Chromosome aberration test in vitro; Result: negative; Metabolic activation: with and without metabolic activation; Method: OECD Test Guideline 473 (ECHA).
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Sensitization:	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).
Component	
Iron Oxides (CI 77491):	(Guinea pig) Maurer optimization test; Result: Not a skin sensitizer (ECHA)
Titanium Dioxide (CI 77891):	(Mouse) Local lymph node assay (LLNA); Result: negative; Method: OECD Test Guideline 429 (ECHA)
Corrosivity:	No data available.

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:	
Component	
Iron Oxides (CI 77491):	(Zebra Fish) static test; 96 hours.
Titanium Dioxide (CI 77891):	(Golden orfe) LC0: > 1,000 mg/l.
Aquatic Invertebrate:	
Component	
Iron Oxides (CI 77491):	(Water flea) EC50 static test: > 100 mg/l; 48 hours; (above the solubility limit in the test medium) OECD Test Guideline 202 (ECHA)
Terrestrial:	
Component	
Iron Oxides (CI 77491):	(Activated Sludge) EC50 Static test: 10,000 mg/l; 3 hours (above the solubility limit in the test medium) (ECHA)
Titanium Dioxide (CI 77891):	(Pseudomonas fluorescens) EC0: > 5,000 mg/l.
Persistence and Degradability:	Not readily biodegradable.
Bioaccumulative Potential:	Not applicable.
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. 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.
Product Containers:	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 in the meaning of transport regulations.
TDG (Transportation of Dangerous Goods, Canada):	Not classified as dangerous in the meaning of transport regulations.
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):	Not classified as dangerous in the meaning of transport regulations.

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:	This material does not contain any components with a section 304 Extremely Hazardous Substances 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 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. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
Massachusetts Right To Know:	Mica (12001-26-2), Iron Oxides/CI 77491 (1309-37-1), Titanium Dioxide/CI 77891 (13463-67-7).
Pennsylvania Right To Know:	Mica (12001-26-2), Iron Oxides/CI 77491 (1309-37-1), Titanium Dioxide/CI 77891 (13463-67-7).
New Jersey Right To Know:	Mica (12001-26-2), Iron Oxides/CI 77491 (1309-37-1), Titanium Dioxide/CI 77891 (13463-67-7).
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 or reproductive toxicity. For more information, go to www.P65Warnings.ca.gov
Canada (DSL):	This product or its components are listed on or compliant with the DSL.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date:	18-Sep-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.