Mica Sappan Red

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

Revision Date: 19-Mar-2024
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Mica Sappan Red
Synonyms: No data available
INCI Name: Mica (CI 77019), Titanium Dioxide (CI 77891), Caesalpinia Sappan Bark Extract
CAS Number: 12001-26-2, 13463-67-7, 89958-14-5
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 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: May be an irritant.
Skin: Not expected to be an irritant.
Ingestion: May cause nausea, vomiting, or diarrhea.

NFPA Ratings (704):

Health	0	Minimal
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	44 - 57%	Not Available
Titanium Dioxide (CI 77891)	13463-67-7	41 - 51%	Not Available
Caesalpinia Sappan Bark Extract	89958-14-5	2 - 4%	Not Available
Tin Oxide (CI 77861)	18282-10-5	0 – 1%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse away thoroughly with water at least for 20 minutes. Seek medical attention if necessary.
Inhalation: Specific medical treatment is urgent. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Seek medical attention.
Skin: In case of contact with substance, immediately flush skin with running water at least 20 minutes. Remove and isolate contaminated clothing and shoes. Wash contaminated clothing and shoes before reuse. Seek immediate medical attention.
Ingestion: Do not let victim eat anything, if unconscious. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Physician Notes: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2) for adjacent fire. Do not use high pressure water streams.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Dike fire-control water for later disposal; do not scatter the material. Move containers from fire area if you can do it without risk. Cool fire involving tanks/containers with flooding quantities of water until well after fire is out. Withdraw fire involving tanks immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire.
Specific hazards arising from the chemical:	If inhaled, may be harmful. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Eliminate all ignition sources. Stop leak if you can do it without risk. Please note that materials and conditions to avoid. Ventilate the area. Do not touch or walk through spilled material. Prevent dust cloud. 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/basements/confined areas/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Small Spill; Flush area with flooding quantities of water. And take up with sand or other non-combustible absorbent material and place into containers for later disposal. Large Spill; Dike far ahead of liquid spill for later disposal. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. 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:	Please note that materials and conditions to avoid. Wash thoroughly after handling. Please work with reference to engineering controls and personal protective equipment. Be careful to high temperatures. 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 in a closed container. Store in cool and dry place. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Mica (CI 77019)	3 mg/m³	TWA	KOREA
	20 mppcf (mineral dusts)	TWA	OSHA
	3 mg/m³	TWA	ACGIH
	3 mg/m³ (respirable dust)	TWA	NIOSH
	3 mg/m³	TWA	BELGIUM
	3 mg/m³	TWA	BULGARIA
	10 mg/m³ (total inhalable dust)	TWA	IRELAND
	0.8 mg/m³ (respirable dust)	TWA	IRELAND
	3 mg/m³ (respirable fraction)	TWA	ITALY
	2.5 mg/m³ (inspirable)	TWA	AUSTRALIA
	3 mg/m³ (respirable)	TWA	CANADA
	2 mg/m³ (total dust)	TWA	CHINA
	1.5 mg/m³ (respirable dust)	TWA	CHINA
	4 mg/m³ (total dust)	STEL	CHINA
	3 mg/m³ (respirable dust)	STEL	CHINA
	4 mg/m³ (containing ≤10% free Silicon dioxide, aerosol)	TWA	RUSSIA

	6 mg/m³ (containing 10-70% Silicon dioxide dust, total aerosol)	STEL	RUSSIA
	3 mg/m³	TWA	TAIWAN
	6 mg/m³	STEL	TAIWAN
Titanium Dioxide (CI 77891)	10 mg/m³	TWA	KOREA
	15 mg/m³	TWA	OSHA
	10 mg/m³	TWA	ACGIH
	10 mg/m³	TWA	AUSTRALIA
	10 mg/m³ (as Ti)	TWA	FRANCE
	10 mg/m³	TWA	ITALY
	10 mg/m³	TWA	UNITED KINGDOM
	10 mg/m³	TWA	RUSSIA
Tin Oxide (CI 77861):	2 mg/m³ (as Sn)	TWA	NIOSH
	2 mg/m³ (as Sn)	TWA	BELGIUM
	2 mg/m³ (as Sn)	TWA	CANADA
	2 mg/m³ (as Sn)	TWA	FINLAND
	2 mg/m³ (as Sn)	TWA	SPAIN

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 facepiece with goggles. Wear breathable safety goggles to protect from particulate material causing eye irritation.

Inhalation: Wear NIOSH/European Standard EN 149 approved full or half face piece (with goggles). If exposed to particulate material, wear a facepiece filtering respirator/air-purifying respirator, high-efficiency particulate air (HEPA) filter media/respirator equipped with powered fan, filter media of use (dust, mist, fume). If lack of oxygen (<19.5%), wear the supplied-air respirator or self-contained breathing apparatus.

Body: Consider the physical/chemical properties of material. Wear chemical resistant gloves and full protective and chemical resistant clothing.

Other: Provide local exhaust ventilation system/engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. 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
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	Red	**Flammability:**	No data available
pH:	4 - 8	**Flash Point:**	No data available
Boiling Point:	No data available	**Specific Gravity:**	No data available
Melting Point:	No data available	**Water Solubility:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Viscosity:	No data available	**Explosive Limits/Properties:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	If inhaled, may be harmful.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Heat, sparks or flames.
Incompatible Materials:	Combustibles.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	If inhaled, may be harmful.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified.
Skin:	Not classified.
Titanium Dioxide:	In test on skin irritation with rabbits, skin irritations were not observed. (OECD Guideline 404).
Tin Oxide:	Skin irritation test using rabbit, not skin irritation. (OECD TG 404).
Eyes:	Not classified.
Titanium Dioxide:	(Rabbits): Irritations were not observed. (OECD Guideline 405, EU Method B.5, EPA OPPTS 870.2400).
Tin Oxide:	(Rabbit): Not irritating to eyes. (OECD TG 405).
Respiratory:	Not classified.
Titanium Dioxide:	(Rat) LC50: >6.82 mg/L, 4 hour.
Tin Oxide:	(Rat) LC50: >5 mg/L, 4 hour (OECD TG 403, GLP).
Ingestion:	(Oral) Not classified.
Titanium Dioxide:	(Rat) LD50: >5,000 mg/kg (OECD Guideline 425, EPA OPPTS 870.1100).
Tin Oxide:	(Rat) LD50: >9,000 mg/kg.
Carcinogenicity:	Not classified.
Chronic Toxicity:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Mica:	With cell test system, macrophage-like cells (P388 D1), kaolin and mica (r= 0.58) showed significant positive correlation with cytotoxicity for high-rank coal dusts but not for low.
Titanium Dioxide:	Negative reactions were observed in in vitro (mammalian cell gene mutation test. (OECD Guideline 476, GLP), mammalian chromosome aberration test (OECD Guideline 473, GLP), bacterial reverse mutation assay (OECD Guideline 471)) and in in vivo (micronucleus assay).
Tin Oxide:	Negative reactions were observed in these in vitro genotoxicity studies: bacterial reverse mutation assay (e.g. Ames test), gene mutation (OECD Guideline 471), mammalian cell gene mutation assay (OECD Guideline 476), mammalian cell micronucleus test (OECD Guideline 487).
Specific Target Organ Toxicity:	Not classified in single or repeated exposure.
Titanium Dioxide:	(Rat): No adverse effects in a chronic oral repeated dose toxicity, with a NOAEL of 3500 mg/kg bw/day. Product is not absorbed through human skin; thus, no toxic effects can be expected via the dermal route of exposure. Titanium dioxide showed fibrogenic effects in a chronic inhalation repeated dose toxicity study in rats with a NOAEC of 10 mg/m3.
Tin Oxide:	No toxicity related symptoms were observed in the 13-week repeat oral administration toxicity test using rats. (NOAEL ≥ 10000 mg/kg).
Reproductive Toxicity:	Not classified.
Titanium dioxide:	Based on the weight of evidence from the available long-term toxicity/carcinogenicity studies in rodents and the relevant information on the toxicokinetic behavior in rats it is concluded that TiO2 does not present a reproductive toxicity hazard.
Respiratory Sensitization:	Material does not show respiratory sensitizing properties in animal studies or in exposure related observations in humans.
Skin Sensitization:	Not classified.
Titanium Dioxide:	(Guinea pig): Skin sensitizations were not observed. (OECD Guideline 406, EU Method B.6, EPA OPP 81-6, GLP).
Tin Oxide:	No activation of the lymph nodes of mice were observed in the LLNA performed with the test material. (OECD TG 429).

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	Titanium Dioxide (Oncorhynchus mykiss): > 100 mg/L, 96 hour, NOEC (OECD Guideline 203).
Aquatic Invertebrate:	No data available.
Aquatic Algae:	Titanium dioxide EC50 (Other): 72 hour = 61 mg/L, 72 hour, NOEC (Pseudokirchnerella subcapitata) = 12.7 mg/L.
Persistence and Degradability:	Not readily biodegradable (estimated).
Titanium Dioxide:	Low persistency (log Kow is less than 4 estimated.) (Log Kow = 2.23) (estimated).
Tin Oxide:	Low persistency (log Kow is less than 4 estimated.) (Log Kow = 1.29) (estimated).
Bioaccumulative Potential:	Low bioaccumulation.
Titanium Dioxide:	Bioaccumulation is expected to be low according to the BCF < 500 (BCF = 13.73) (estimated).
Tin Oxide:	Bioaccumulation is expected to be low according to the BCF < 500 (BCF = 100) (estimated).
Mobility in Soil	
Titanium Dioxide:	Low potency of mobility to soil. (Koc = 86.1) (estimated).

Tin Oxide:	Low potency of mobility to soil. (Koc = 13.16) (estimated).
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	Not classified as hazardous to the ozone layer.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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:	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

Occupational Safety & Health Regulations:	Mica: Occupational exposure limits listed. Work environment monitoring listed. Titanium Dioxide: Occupational exposure limits listed. Work environment monitoring listed (6 months). Administration subject listed. Tin Oxide: Work environment monitoring listed (6 months). Administration subject listed.
Chemical Control Act:	Mica: Existing Chemical Substance (KE-25420). Titanium Dioxide: Existing Chemical Substance KE-33900. Tin Oxide: Existing Chemical Substance (KE-33849)
Dangerous Material Safety Management Regulation:	Titanium dioxide and tin oxide.
Wastes Control Act:	Mica: Wastes Control Act Controlled Wastes.
Persistent Organic Pollutants Acts:	Not regulated.
EU Classification:	Not classified.
EU SVHC List:	Not regulated.
EU Authorization List:	Not regulated.
EU Restriction List:	Not regulated.
OSHA Regulation:	Not regulated.
CERCLA Regulation:	Not regulated.
California Prop. 65:	WARNING: This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov
EPCRA 302/304/313 Regulation:	Not regulated.
Substance of Roterdame Protocol:	Not regulated.
Substance of Stockholme Protocol:	Not regulated.
Substance of Montreal Protocol:	Not regulated.
TSCA Inventory Section 8(b):	Titanium dioxide: Present. Tin oxide: Present
Canada (DSL):	Mica: Present. Titanium dioxide: Present. Tin Oxide: Present.
China (IECSC):	Mica: Present. Titanium dioxide: Present (11377).

	Tin oxide: Present (37645).
Australia (AICS):	Mica: Present. Titanium dioxide: Present. Tin Oxide: Present.
Japan (ENCS):	Titanium dioxide: (5)-5225, (1)-558. Tin Oxide: (1)-551.
Japan (ISHL):	Titanium dioxide: ≥ 1% weight. Tin Oxide: ≥ 1% weight.
Philippines (PICCS):	Mica: Present. Titanium Dioxide: Present. Tin Oxide: Present.
New Zealand (NZIoC):	Mica: May be used as a single component chemical under an appropriate group standard. Tin Oxide: HSNO Approval (HSR002805). Titanium Dioxide: May be used as a single component chemical under an appropriate group standard.

16 OTHER INFORMATION

Revision Date:	19-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.