Silicone Resin

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

Revision Date: 10-May-2024
Supersedes: 12-Nov-2019

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Silicone Resin
Synonyms: No data available
INCI Name: Trimethylsiloxysilicate, Polypropylsilsesquioxane
CAS Number: 68988-56-7, 36088-62-7
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 Hazard Classification: Combustible Dust.
GHS Signal Word: **WARNING**
GHS Labeling: Contains no hazardous ingredients.
GHS Hazard Pictograms: None.
GHS Hazard Statements: If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.
Dust contact with the eyes can lead to mechanical irritation.
Contact with dust can cause mechanical irritation or drying of the skin
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: Not expected to be an irritant under normal conditions of use.
Inhalation: May be an irritant.
Skin: Not expected to be an irritant under normal conditions of use.
Ingestion: May cause nausea, vomiting, or diarrhea.

NFPA Ratings (704):

Health	0	Minimal
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

HMIS Ratings:

Health	0	Minimal
Flammability	3	Serious
Physical Hazard	0	Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Trimethylsiloxysilicate	68988-56-7	60 - 70%	Not Available
Polypropylsilsesquioxane	36088-62-7	30 - 50%	Not Available

4 FIRST AID MEASURES

Eyes: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur consult an ophthalmologist.
Inhalation: Move person to fresh air if effects occur. Seek medical attention.
Skin: Wash off with plenty of water. Seek medical attention if necessary.
Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. No emergency medical treatment necessary.
Physician Notes: May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Repeated excessive exposure may aggravate preexisting lung disease. Treat symptomatically and supportively.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (water spray, alcohol-resistant foam, carbon dioxide (CO2), dry chemical) for 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. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Specific hazards arising from the chemical:	Hazardous combustion products include carbon oxides and silicon oxides. Exposure to combustion products may be a hazard to health. May form explosive dust-air mixture during processing, handling, or other means. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Follow safe handing advice. 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. Prevent further spillage if safe and easy to do so. Retain and dispose of contaminated water. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Do not breathe dust. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Use only with adequate ventilation. This material can accumulate static charge due to its inherent physical properties and can therefore cause an electrical ignition source to vapors. To prevent a fire hazard, as bonding and grounding may be insufficient to remove static electricity, it is necessary to provide an inert gas purge before beginning transfer operations. Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Keep in properly labelled containers. Store in accordance with the particular national regulations. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Silicone Resin	Not available	Not available	Not available

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:	Use safety glasses with side shields.
Inhalation:	Wear an organic vapor cartridge respirator if experiencing irritation or discomfort.
Body:	Skin contact should be minimized. No precautions other than clean body-covering clothing should be needed under normal conditions of use.
Other:	Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit

requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Flakes	**Vapor Pressure:**	Not applicable
Odor:	Slight	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	Not applicable
Color:	White	**Flammability:**	Not a flammability hazard
Particle Size:	75 µm	**Upper/lower Explosive Limit:**	No data available
pH:	Not applicable	**Flash Point:**	Not applicable
Boiling Point:	Not applicable	**Specific Gravity:**	No data available
Melting Point:	No data available	**Water Solubility:**	No data available
Relative Density (water=1):	0.57	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Dynamic Viscosity:	No data available	**Explosive Properties:**	Not explosive
Oxidizing Properties:	Not oxidizing	**Metal Corrosion:**	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Not classified as a reactivity hazard.
Chemical Stability:	Stable under normal conditions
Hazardous Polymerization:	No data available.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Decomposition products can include and are not limited to Formaldehyde.
Possible Hazardous Reactions:	Can react with strong oxidizing agents. Dust can form an explosive mixture in air.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Acute Skin Toxicity:	Prolonged skin contact is unlikely to result in absorption of harmful amounts. As product, the dermal LD50 has not been determined. Based on information for components: (Rabbit) LD50: > 5,000 mg/kg (estimated).
Acute Inhalation Toxicity:	Brief exposure (minutes) is not likely to cause adverse effects. May cause respiratory tract irritation. As product, The LC50 has not been determined.
Acute Ingestion Toxicity:	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. As product, single dose oral LD50 has not been determined. Based on information for components: (Rat) LD50: > 5,000 mg/kg (estimated).
Skin Corrosion/Irritation:	Prolonged contact is essentially nonirritating to skin.
Serious Eye Damage/Irritation:	Essentially nonirritating to eyes.
Carcinogenicity:	Results from a 2-year repeated vapor inhalation exposure study to rats of decamethylcyclopentasiloxane (D5) indicate effects (uterine endometrial tumors) in female animals. This finding occurred at the highest exposure dose (160 ppm) only. Studies to date have not demonstrated if this effect occurs through a pathway that is relevant to humans.
Teratogenicity:	Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.
Germ Cell Mutagenicity:	In vitro genetic toxicity studies were negative for component(s) tested. Genetic toxicity studies in animals were negative for component(s) tested.
Specific Target Organ Toxicity:	For single does, evaluation of available data suggests that this material is not an STOT-SE toxicant. For repeated exposure, based on available data, repeated exposures are not anticipated to cause significant adverse effects.
Reproductive Toxicity:	Contains component(s) which did not interfere with reproduction in animal studies.
Chronic Exposure:	(Represents longer term exposures with repeated dose resulting in chronic/delayed effects) no immediate effects known.

Likely Routes of Exposure:	Inhalation, Eye contact, Skin contact, Ingestion.
Aspiration Hazard:	Based on physical properties, not likely to be an aspiration hazard.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	No data available.
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:	Do not dump into any sewers on the ground, or any body of water. For unused/uncontaminated product, the preferred options include sending to a licensed, permitted, Incinerator or other thermal destruction device. 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. Regulations may vary in different locations.
Product Containers:	Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose. 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 for transport.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated for transport.
IATA (International Air Transport Association):	Not regulated for transport.
ICAO (International Civil Aviation Organization):	Not regulated for transport.

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
SARA 311/312:	Combustible dust listed under Emergency Planning and Community Right-to-Know Act of 1986.
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.
CERCLA Section 103:	Calculated RQ exceeds reasonably attainable upper limit. Components are listed below. Xylene (1330-20-7) 100 lbs RQ Xylene (1330-20-7) 100 lbs RQ (F003) Toluene (108-88-3) 1000 lbs RQ Toluene (108-88-3)100 lbs RQ (F005) Benzene (71-43-2) 10 lbs RQ (D018) Benzene (71-43-2) 10 lbs RQ Xylene (1330-20-7) 100 lbs RQ Xylene (1330-20-7) 100 lbs RQ (F003)
PA Right to Know:	The following chemicals are listed because of the additional requirements of Pennsylvania law. Silicic acid, sodium salt, reaction products with chlorotrimethylsilane and iso-Pr alc (68988-56-7) Silanetriol, 1-propyl-, homopolymer (36088-62-7).
Canada (DSL):	No data available.

EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.
Taiwan (TCSI)	No data available.
Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (ECL):	No data available.
New Zealand:	No data available.
California Prop. 65:	This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

16 OTHER INFORMATION

Revision Date:	10-May-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.