

Silica

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

Revision Date: 07-Jan-2025
Supersedes: 15-May-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Silica	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Silica	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	7631-86-9	Web:	www.makingcosmetics.com
Formula:	O ₂ Si	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)
Product Form:	Solid (Powder)		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

Classification:	Not classified.												
Labeling:	Not a dangerous substance according to GHS.												
Hazard Pictograms:	None.												
Hazard Statements:	The substance does not meet the criteria for classification.												
Precautionary Statements:	(Prevention) Observe good industrial hygiene practices. (Response) Wash hands after handling. (Storage) Store away from incompatible materials. (Disposal) Dispose of waste and residues accordance with local authority requirements.												
Potential Health Hazards:	Eyes: Direct contact may be an irritant. Inhalation: Not expected to be an irritant. Skin: Not expected to be an irritant. Ingestion: Expected to be a low ingestion hazard.												
Supplemental Information:	100% of the substance consist of components of unknown acute dermal toxicity.												
NFPA Ratings (704):	<table border="0"> <tr> <td>Health</td> <td>2</td> <td>Moderate</td> </tr> <tr> <td>Flammability</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	2	Moderate	Flammability	0	Minimal	Reactivity	0	Minimal	Specific Hazard	N/A	
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3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Silica	7631-86-9	100%	Not Available

4 FIRST AID MEASURES

Eyes:	Direct contact with eyes may cause temporary irritation. Rinse with water. Get medical attention if irritation develops or persists. Treat symptomatically.
Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist. Treat symptomatically.
Skin:	Wash off with soap and water. Get medical attention if irritation develops and persists. Treat symptomatically.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Get medical attention if symptoms occur. Treat symptomatically.
General Notes:	Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable)	May be combustible at high temperatures. Use appropriate media (water fog, foam, dry
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extinguishing media:	chemical powder, carbon dioxide (CO ₂) for surrounding environment and adjacent fire. Do not use water jet as an extinguisher as it may spread the fire.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Move containers from fire area if you can do so without risk.
Flash Points:	No data available.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed. No unusual fire or explosion hazards noted. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Keep unnecessary personnel away. 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:	The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Dispose of absorbed material in accordance with the regulations (see section 13).

7 HANDLING & STORAGE

Precautions for safe handling:	Keep container tightly closed and dry. Use good personal and industrial hygiene practices. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in tightly closed container. 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>
Silica	6 mg/m ³	TWA	U.S. NIOSH

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 with side shields or goggles.
Inhalation:	Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Body:	Wear chemical resistant gloves and full protective clothing. Wear thermal protective clothing, when necessary.
Other:	Use good personal hygiene practices. No biological exposure limits noted for the ingredients. Ventilation rates should be matched to conditions, if applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Routinely wash work clothing and protective equipment to remove contaminants. The employer/user of this product must perform a hazard assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid	Vapor Pressure:	No data available
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White	Flammability:	No data available
Molecular Weight:	60.09 g/mol	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	No data available
Boiling Point:	4046°F (2230°C)	Specific Gravity:	0.12
Melting/Freezing Point:	3110°F (1710°C)	Water Solubility:	Insoluble

Density:	1.00 lbs/gal, 0.12 g/ml	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	Not explosive
Oxidizing Properties:	Not oxidizing	Heat of Combustion (NFPA 30B):	0 kJ/g
Molecular Formula:	O2Si	Surface Tension:	5.2 mN/m (77°F / 25°C)

10 STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical Stability:	Material is stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Contact with incompatible materials.
Incompatible Materials:	Chlorine, Fluorine.
Hazardous Decomposition Products:	No hazardous decomposition products are known.
Possible Hazardous Reactions:	No dangerous reaction known under conditions of normal use.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not known.
Skin:	No adverse effects due to inhalation are expected.
Eyes:	Direct contact with eyes may cause temporary irritation.
Inhalation:	No adverse effects due to inhalation are expected.
Ingestion:	Expected to be a low ingestion hazard. (Rat, Oral) LD50: >22500 mg/kg.
Carcinogenicity:	Due to partial or complete lack of data the classification is not possible.
IARC:	Silicon Dioxide (CAS: 7631-86-9) Not classifiable as to carcinogenicity to humans.
OSHA:	Not listed.
NTP:	Not listed.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Due to partial or complete lack of data the classification is not possible.
Specific Target Organ Toxicity:	Due to partial or complete lack of data the classification is not possible.
Reproductive Toxicity:	Due to partial or complete lack of data the classification is not possible.
Respiratory/Skin Sensitization:	Due to partial or complete lack of data the classification is not possible.
Serious Eye Damage/Irritation:	Due to partial or complete lack of data the classification is not possible.
Aspiration Toxicity:	Due to partial or complete lack of data the classification is not possible.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that a large or frequent spills can have a harmful or damaging effect on the environment.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	No data is available on the degradability of this product.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No other adverse environmental effects (e/g/ ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.
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Product Containers: Empty containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. 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):	No data available.
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):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory:	Listed.
TSCA Section 12(b):	Not regulated under Export notification (40 CFR 707, Supt. D).
U.S. Federal Regulations:	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA:	Not listed under hazardous substance list (40 CFR 707, Subpt. D).
SARA 304:	Not regulated under emergency release notification.
SARA 302:	Not listed under Extremely hazardous substance.
SARA 311/312:	No hazardous chemicals.
SARA 313:	Not regulated under TRI reporting.
Clean Air Act (CAA):	Not regulated under Section 112 Hazardous Air Pollutants (HAPS) List or 112® Accidental Release Prevention (40 CFR 68.130).
Safe Drinking Water Act:	Not regulated (SDWA).
California Prop. 65:	This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information, go to www.P65Warnings.ca.gov .
OSHA:	Not listed under Specifically Regulated Substances (29 CFR 1910.1001-1053).
Canada (DSL):	Listed.
Canada (NDSL):	Not listed.
EU (EINECS):	Listed.
EU (ELINCS):	Not listed.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Japan (ENCS):	Listed.
Philippines (PICCS):	Listed.
Korea (ECL):	Listed.
Taiwan (TCSI):	Listed.
New Zealand (NZIoC):	Listed.

16 OTHER INFORMATION

Revision Date:	07-Jan-2025
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.