

Silica

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

Revision Date: 05/14/2020
Supersedes: 03/15/2016

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Silica
Synonyms: No data available
INCI Name: Silica
CAS Number: 7631-86-9
Formula: O₂Si
Product Form: Powder
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: Direct contact with eyes may cause temporary irritation.
Inhalation: Not expected to be irritant.
Skin: Not expected to be irritant.
Ingestion: Expected to be low ingestion hazard.

NFPA Ratings (704):

Health	2	Moderate
Flammability	0	Minimal
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Silica	7631-86-9	100%	60.09 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with water. Get medical attention irritation develops or persists.
Inhalation: Remove victim to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Skin: Wash off with soap and water. Get medical attention if irritation develops or persists.
Ingestion: If swallowed, rinse mouth. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.
Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points: No data available

Specific hazards arising from the chemical: None known. 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. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up: This 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 all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities: Store in cool, dry well-ventilated area. Keep away from heat and 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	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: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matches to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits, if exposure limits have not been established, maintain airborne levels to an acceptable level. In case of insufficient ventilation, wear suitable respiratory equipment.

Body: Wear suitable protective clothing. Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other: Use good personal hygiene practices, such as washing after handling the material, and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White solid	Vapor Pressure:	<0.0000001 kPa @ 25° 1.33 kPa @ 1732° C
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:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	No data available

Boiling Point:	No data available	Specific Gravity:	0.12
Melting Point:	3110°F (1710°C)	Solubility in Water:	Insoluble
Relative Density:	1.00 lbs/gal	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	Freezing Point:	3110°F (1710°C)
Initial Boiling Point & Boiling Range:	4046°F (2230°C)	Heat of Combustion (NFPA 30B)	0 kJ/g

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 dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Contact with incompatible materials.
Incompatible Materials:	Fluorine. Chlorine.
Hazardous Decomposition Products:	No hazardous decomposition products are known.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No adverse effects due to skin contact are expected.
Eyes:	Direct contact with eyes may cause temporary irritation.
Respiratory:	No adverse effects due to inhalation are expected. Not an aspiration hazard.
Ingestion:	Expected to be low ingestion hazard.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	Not classified
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Respiratory/Skin Sensitization:	This product is not expected to cause skin sensitization. This product is not a respiratory sensitizer.
Corrosivity:	Prolonged skin contact may cause temporary irritation.
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	Not classified

12 ECOLOGICAL INFORMATION

Ecotoxicity	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect to the environment.
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 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:	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 a dangerous goods. DOT information on packaging may be different from that listed.
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous goods.
IATA (International Air Transport Association):	No data available
ICAO (International Civil Aviation Organization):	No data available

15 REGULATORY INFORMATION

TSCA Inventory Status:	On inventory
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
NDSL/DSL (Canada):	On DSL inventory
EU EINECS/ELINCS/NLP:	On EINECS inventory
China IECSC:	On inventory
China IECIC (06.30.2014):	No data available
Australia AICS:	On inventory
US Federal Regulations:	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
ENCS (Japan):	On inventory
ECL (Korea):	On inventory
PICCS (Philippines):	On inventory
New Zealand Inventory:	On inventory
CERCLA (40 CFR 302.4):	Not listed
SARA 304:	Not regulated
OSHA (29 CFR 1910.1001-1050):	Not listed
SARA:	Not listed as Immediate Hazard, Delayed Hazard, Fire Hazard, Pressure Hazard, or Reactivity Hazard.
SARA 302:	Not listed
SARA 311/312:	Listed
SARA 313:	Not regulated
Clean Air Act (CAA) HAPs:	Not regulated by CAA Section 112 Hazardous Air Pollutants (HAPs) List
Clean Air Act (CAA) (40 CFR 68.130):	Not regulated by CAA Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Safe Water Drinking Act:	Not regulated

US California Health and Safety Code Section 11100:	Not listed
US Massachusetts RTK:	Silica (CAS 7631-86-9)
US New Jersey Worker and Community RTK:	Not listed
US Pennsylvania Worker and Community RTK:	Silica (CAS 7631-86-9)
US Rhode Island RTK:	Not regulated
California Prop. 65:	This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16 OTHER INFORMATION

Revision Date:	05/14/2020
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.