

Silica

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


Revision Date: 07-19-2015
Supersedes: none

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Silica	Distributor: MakingCosmetics.com Inc.
Synonyms: Silicon dioxide, silicic anhydride	Address: 35318 SE Center Street
INCI Name: Silica	Snoqualmie, WA 98065 (USA)
CAS Number: 7631-86-9	Phone / Fax: 425-292-9502 / 425-292-9601
Formula: Si ₂ O ₂	Web: www.makingcosmetics.com
Product Form: Powder	
Product Use: Cosmetic use	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Signal Word: **WARNING**

GHS Hazard Pictograms: 

GHS Hazard Statements: H319: Causes serious eye irritation
H315: Causes skin irritation
H335: May cause respiratory irritation

GHS Precautionary Statements: P281: Use personal protective equipment as required

Potential Health Hazards: Eyes: Causes eye irritation.
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: Slightly hazardous in case of skin contact (irritant).
Ingestion: May be harmful if swallowed.

NFPA Ratings (704):

Health	0	Minimal
Flammability	0	Minimal
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Silica	7631-86-9	100%	60.08 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary

Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Product is not flammable. Use appropriate media for adjacent fire. Cool unopened containers with water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical: Emits toxic fumes (titanium oxides) under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:
Environmental precautions:

See section 8 for recommendations on the use of personal protective equipment.

Methods and material for containment and cleaning up:

Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements
 Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations

7 HANDLING & STORAGE

Precautions for safe handling:
Conditions for safe storage, incl. any incompatibilities:

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.
 Store in cool, dry well ventilated area. Keep 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	20 mppcf (80 mg/m ³ /%SiO ₂)	TWA (PEL)	ACGIH
	6 mg/m ³ (amorphous)	TWA	OSHA
	3000 mg/m ³ (amorphous)	IDLH	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 chemical safety glasses or goggles.
Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin: Wear nitrile or rubber gloves, apron or lab coat.
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Powdered solid	Vapor Pressure:	Not applicable
Odor:	Negligible	Vapor Density:	Not applicable
Taste:	Not available	Relative Density:	2.200 g/cm ³
Color:	White	Flammability:	Not flammable
Molecular Weight:	60.08 g/mol	Upper/lower Explosive Limit:	Not explosive
pH (28% sol. in water)	3.6 - 4.3 at 40g/l	Specific Gravity:	2.2 (water = 1)
Boiling Point at 760 mmHg:	2200 °C (3992 °F)	Evaporation Rate:	Not available
Melting Point:	> 1600 °C (> 2912 °F)	Solubility:	Not soluble in water (partly in hot water), dispersible in oils
Flash Point:	Not applicable		

10 STABILITY AND REACTIVITY

Reactivity: Product is stable
Chemical Stability: Product is stable
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Not available
Incompatible Materials: Strong acids, strong bases, hydrogen fluoride, oxidizing agents, ammonia, oxygen difluoride, chlorine trifluoride
Hazardous Decomposition Products: Not available
Polymerization: Will not occur

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50: Not available. LC50: Not available

Chronic Toxicity:	May cause adverse reproductive effects based on animal test data. No human data found.
Carcinogenicity:	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Special Remarks:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available

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 significantly 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
TDG (Transportation of Dangerous Goods, Canada):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	All ingredients are listed on the TSCA inventory
California Prop. 65:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 304:	Not listed
SARA 311:	Chronic Health Hazard
SARA 312:	Chronic Health Hazard

16 OTHER INFORMATION

Revision Date:	07-19-2015
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.