

## Silica

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


Revision Date: 02-21-2018  
Supersedes: none

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b> Silica	<b>Distributor:</b> MakingCosmetics.com Inc.
<b>Synonyms:</b> Silicon dioxide, silicic anhydride	<b>Address:</b> 35318 SE Center Street
<b>INCI Name:</b> Silica	Snoqualmie, WA 98065 (USA)
<b>CAS Number:</b> 7631-86-9, 112945-52-5, 60676-86-0	<b>Phone / Fax:</b> 425-292-9502 / 425-292-9601
<b>Formula:</b> Si <sub>2</sub> O <sub>2</sub>	<b>Web:</b> <a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Product Form:</b> Powder	
<b>Product Use:</b> Cosmetic use	<b>Emergency Telephone Number:</b> 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, 112945-52-5, 60676-86-0	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

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements
<b>Methods and material for containment and cleaning up:</b>	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

<b>Precautions for safe handling:</b>	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.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	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 <sup>3</sup> /%SiO <sub>2</sub> )	TWA (PEL)	ACGIH
	6 mg/m <sup>3</sup> (amorphous)	TWA	OSHA
	3000 mg/m <sup>3</sup> (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:

<b>Eyes:</b>	Wear chemical safety glasses or goggles.
<b>Inhalation:</b>	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
<b>Skin:</b>	Wear nitrile or rubber gloves, apron or lab coat.
<b>Other:</b>	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

## 9 PHYSICAL AND CHEMICAL PROPERTIES

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

## 10 STABILITY AND REACTIVITY

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

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	LD50: Not available. LC50: Not available
<b>Chronic Toxicity:</b>	May cause adverse reproductive effects based on animal test data. No human data found.
<b>Carcinogenicity:</b>	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
<b>Teratogenicity:</b>	Not available
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Embryotoxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>Special Remarks:</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not available
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated
<b>IATA (International Air Transport Association):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated

## 15 REGULATORY INFORMATION

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

