

## Silica Dimethyl Silylate

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

Revision Date: 08-Jan-2025  
Supersedes: 23-Nov-2020

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Silica Dimethyl Silylate  
**Synonyms:** No data available  
**INCI Name:** Silica Dimethyl Silylate  
**CAS Number:** 68611-44-9  
**Formula:** No data available  
**Product Form:** Solid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**Classification:** The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Labeling:** Not a dangerous substance according to GHS.  
**Hazard Pictograms:** None.  
**Hazard Statements:** None.  
**Precautionary Statements:** None.  
**Potential Health Hazards:** Eyes: May be an irritant.  
Inhalation: May be an irritant.  
Skin: May be an irritant.  
Ingestion: May cause nausea, vomiting, and diarrhea.

**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Silica Dimethyl Silylate	68611-44-9	Not Available	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Wash immediately with water. Seek medical attention if necessary.  
**Inhalation:** Remove casualty to fresh air and keep warm and at rest. Seek medical attention if necessary.  
**Skin:** Wash with plenty of water and soap. Seek medical attention if necessary.  
**Ingestion:** Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Get medical attention showing the SDS and label hazardous.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperatures. Use appropriate media (carbon dioxide (CO<sub>2</sub>) for surrounding environment and 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. Collect contaminated fire extinguishing water. Do not discharge into drains. Move undamaged containers from immediate hazard area but only if it can be done safely.  
**Flash Points:** Not applicable.  
**Specific hazards arising from the chemical:** Do not inhale explosion or combustion gases. Burning produces heavy smoke. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Remove persons to safety. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store tightly closed, in an adequately ventilated premises. 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 Dimethyl Silylate	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:

<b>Eyes:</b>	Not required under normal conditions of use, but wear safety glasses.
<b>Inhalation:</b>	Not required under normal conditions of use, but a dust mask or respiratory filter is recommended.
<b>Body:</b>	None required under normal conditions of use, but chemical resistant gloves and full protective clothing is recommended.
<b>Other:</b>	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid	<b>Vapor Pressure:</b>	Not determined
<b>Odor:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Evaporation Rate:</b>	Not determined
<b>Color:</b>	Powder white	<b>Flammability:</b>	Not determined
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	752°F (400°C)
<b>pH:</b>	Not determined	<b>Flash Point:</b>	Not applicable
<b>Boiling Point/Range:</b>	Not determined	<b>Specific Gravity:</b>	No data available
<b>Melting/Freezing Point:</b>	3092°F (1700°C)	<b>Solubility:</b>	Insoluble in water and oil
<b>Relative Density:</b>	Not determined	<b>Auto-Ignition Temperature:</b>	Not determined
<b>Partition Coefficient: n-octanol/water:</b>	Not determined	<b>Decomposition Temperature:</b>	302°F (150°C)
<b>Viscosity:</b>	Not determined	<b>Explosive Properties:</b>	Not determined
<b>Oxidizing Properties:</b>	Not determined	<b>Metal Corrosion:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	No data available.

Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	None.

## 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified. Based on available data, the classification criteria are not met.
Skin:	(Rabbit) No irritant effect. Not classified. Based on available data, the classification criteria are not met.
Eyes:	(Rabbit) Not classified. Based on available data, the classification criteria are not met.
Inhalation:	(Rat) LC50 Inhalation = 0.45 mg/l, 4 hours. Not classified. Based on available data, the classification criteria are not met.
Ingestion:	(Rat) LD50 Oral > 5000.00000 mg/kg.
Carcinogenicity:	Not classified. Based on available data, the classification criteria are not met.
Teratogenicity:	No substances listed on IARC, OSHA, NIOSH, or NTP.
Germ Cell Mutagenicity:	No data available.
Specific Target Organ Toxicity:	Not classified. Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Not classified. Based on available data, the classification criteria are not met.
Aspiration Hazard:	Not classified. Based on available data, the classification criteria are not met.

## 12 ECOLOGICAL INFORMATION

Ecotoxicity:	Adopt good working practices, so that the product is not released into the environment.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Not determined.
Bioaccumulative Potential:	Not determined.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	Not determined.

## 13 DISPOSAL CONSIDERATIONS

Waste Residues:	Do not dump into sewers, any body of water or onto the ground. Recover if possible. In so doing, comply with the local and national regulations currently in force. 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.
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):	No data available.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	No data available.
IATA (International Air Transport Association):	No data available.
ICAO (International Civil Aviation Organization):	No data available.

## 15 REGULATORY INFORMATION

TSCA Inventory Status:	All chemical substances in this material are included on or are exempted from listing on the TSCA Chemical Substance Inventory.
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<b>Section 313 Toxic Chemicals:</b>	No substances listed.
<b>California Prop. 65:</b>	No substances listed.
<b>Canada (DSL):</b>	This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation (CPR) and this MSDS contains all the information required by the CPR.
<b>EU (EINECS):</b>	No data available.
<b>China (IECSC):</b>	No data available.
<b>Australia (AICS):</b>	No data available.
<b>Japan (ENCS):</b>	No data available.
<b>Philippines (PICCS):</b>	No data available.
<b>Korea (KECI):</b>	No data available.
<b>New Zealand (NZIoC):</b>	No data available.

### 16 OTHER INFORMATION

<b>Revision Date:</b>	08-Jan-2025
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	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.