

## Polymethylsilsequioxane

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

Revision Date: 12-Sep-2024  
Supersedes: 22-Feb-2021

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Polymethylsilsequioxane	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Polymethylsilsequioxane	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	68554-70-1	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	CH <sub>3</sub> Si(O) <sub>3</sub> / <sub>2</sub>	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Health, Acute Toxicity, 5 Inhalation  
**GHS Signal Work:** **WARNING**  
**GHS Hazard Pictograms:** None.  
**GHS Hazard Statements:** May be harmful if inhaled.  
**GHS Precautionary Statements:** P284 - Wear respiratory protection.  
**Potential Health Hazards:** Eyes: No known hazards.  
 Inhalation: Prolonged inhalation may cause respiratory irritation.  
 Skin: No known hazards.  
 Ingestion: No known hazards.

**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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Polymethylsilsequioxane	68554-70-1	100%	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 15 minutes. Consult a physician if irritation persists.  
**Inhalation:** Remove victim to fresh air. Seek medical attention if respiratory irritation or distress occurs.  
**Skin:** Wash affected areas with soap and water. Consult a physician if irritation persist.  
**Ingestion:** Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.  
 Do not induce vomiting without medical advice.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperatures. Use appropriate media (water, CO<sub>2</sub>, dry chemical, foam) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.  
**Special protective equipment & precautions for firefighters:** Wear self-contained breathing apparatus, due to possible generation of toxic fumes and full protective clothing, including eye protection and boots.  
**Flash Points:** Not applicable (Solid)  
**Specific hazards arising from the chemical:** Non-flammable - dust hazard. Possible generation of toxic fumes. See also Stability and reactivity section.

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b> <b>Environmental precautions:</b>  <b>Methods and material for containment and cleaning up:</b>	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment. Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak. Sweep or vacuum to remove and dispose of in accordance with federal, state, and local laws. Dispose of absorbed material in accordance with the regulations.
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## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b> <b>Conditions for safe storage, incl. any incompatibilities:</b>	Use with adequate ventilation to prevent dust formation. Avoid eye contact and inhalation. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment. Keep container closed. Store away from incompatible materials (see section 10 for incompatibilities).
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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Polymethylsilsesquioxane	Not available	Not available	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>	None required, but safety glasses are recommended.
<b>Inhalation:</b>	Use adequate ventilation. Wear a dust respirator.
<b>Body:</b>	None required, but gloves and lightweight protective clothing are 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>	Powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Typical	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	Infinite as solid	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	6 - 8 at 2% dispersion in 1:1 water: methanol	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	0.61 g/cm <sup>3</sup>
<b>Melting/Freezing Point:</b>	No data available	<b>Water Solubility:</b>	Insoluble
<b>Bulk Density:</b>	0.61 g/cm <sup>3</sup>	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Particle Size:</b>	Typical 4-6-micron average, not a nano material.
<b>Percent Volatile:</b>	<1%	<b>VOC:</b>	Not VOC

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Avoid combustion sources when dust is present. Use with adequate ventilation.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	Possible oxides of and carbon.

Possible Hazardous Reactions: No data available.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available.  
**Skin:** No data available.  
**Eyes:** (Rabbit) Non-irritating. Primary irritation index: 0.0.  
**Inhalation:** No data available.  
**Ingestion:** (Rats) LD50 > 6000 mg/kg.  
**Carcinogenicity:** No data available.  
**Teratogenicity:** No data available.  
**Mutagenicity:** Ames Test: Negative.  
**Embryotoxicity:** No data available.  
**Specific Target Organ Toxicity:** No data available.  
**Reproductive Toxicity:** No data available.  
**Dermal Sensitization:** (Guinea Pig) Negative.  
**Corrosivity:** No data available.

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.  
**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 data 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.  
**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.  
**TDG (Transportation of Dangerous Goods, Canada):** No data available.  
**IMDG (International Maritime Dangerous Goods):** Not subject to IMDG code.  
**IATA (International Air Transport Association):** Not subject to IATA regulations.  
**ICAO (International Civil Aviation Organization):** No data available.

## 15 REGULATORY INFORMATION

**TSCA Inventory Status:** No data available.  
**SARA Title III Chemical Listings:** None.  
**SARA 302 Extremely Hazardous Substances:** None.  
**SARA Section 312 Hazard Class:** No hazards listed.  
**SARA 313 Toxic Chemicals:** None present or none present in regulated quantities.  
**Canada (DSL):** No data available.  
**EU Information:** This product is not considered dangerous according to 99/45/EC as amended.

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<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>	12-Sep-2024
<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.