

## Cyclomethicone

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


Revision Date: 03-25-2019  
Supersedes: 05-28-2015

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Cyclomethicone	<b>Distributor:</b>	MakingCosmetics.com Inc.
<b>Synonyms:</b>		<b>Address:</b>	10800 231 <sup>st</sup> Way NE
<b>INCI Name:</b>	Cyclotetrasiloxane, cyclopentasiloxane		Redmond, WA 98053 (USA)
<b>CAS Number:</b>	556-67-2, 541-02-6	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>Formula:</b>	Not available	<b>Web:</b>	www.makingcosmetics.com
<b>Product Form:</b>	Liquid		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Flam. Liq. 3, Repr. 2, Aquatic Chronic 4  
**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:** 

**GHS Hazard Statements:**  
 H226: Flammable liquid and vapor  
 H361: Suspected of damaging fertility  
 H413: May cause long lasting harmful effects to aquatic life

**GHS Precautionary Statements:**  
 P211: Do not spray on an open flame or other ignition source.  
 P501: Dispose in accordance with local disposal regulation

**Potential Health Hazards:**  
**Eyes:** May cause irritation, tearing and mild temporary pain.  
**Inhalation:** May cause irritation of the respiratory tract.  
**Skin:** No significant effects expected from a single short-term exposure  
**Ingestion:** Low ingestion hazard in normal use

**NFPA Ratings (704):**

Health	1	Slight
Flammability	2	Moderate
Reactivity	0	Minimal

Specific Hazard

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Octamethylcyclotetrasiloxane	556-67-2	>60%	Not available
Decamethylcyclopentasiloxane	541-02-6	10-30%	Not available

### 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

<b>Suitable (and unsuitable) extinguishing media:</b>	Product is flammable. Use appropriate media for adjacent fire. Cool unopened containers with water.
<b>Flash Points:</b>	PMCC 132.8°F (56°C), Flammable limits not known
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Specific hazards arising from the chemical:</b>	Emits toxic fumes under fire conditions. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</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>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>Safe storage:</b>	Store in cool, dry well ventilated area. Keep away from incompatible materials.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Cyclomethicone	Not available		
TWA: Time Weighted Average over 8 hours of work.		STEL: Short Term Exposure Limit during x minutes.	
TLV: Threshold Limit Value over 8 hours of work.		IDLH: Immediately Dangerous to Life or Health	
REL: Recommended Exposure Limit		WEEL: Workplace Environmental Exposure Levels	
PEL: Permissible Exposure Limit		CEIL: Ceiling	
<b>Personal Protection:</b>			
<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>	Liquid	<b>pH Value:</b>	Not available
<b>Odor:</b>	Slight sweet odor	<b>Vapor Density:</b>	Not available
<b>Color:</b>	Clear to slightly hazy	<b>Evaporation Rate:</b>	Not available
<b>Medium Particle Size:</b>	Not available	<b>Viscosity:</b>	2.6 cSt
<b>Molecular Weight:</b>	Not available	<b>Specific Gravity:</b>	0.95 g/cm3
<b>Flash Point:</b>	56°C (132.8°F)	<b>Solubility:</b>	Soluble in alcohol, mixable in oils
<b>Boiling Point:</b>	>175°C (347°F)		
<b>Melting/Freezing Point:</b>	Not determined		

## 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>	Strong oxidizing material can cause a reaction
<b>Hazardous Decomposition Products:</b>	Not available

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	
<b>Skin:</b>	No significant effects expected from a single short-term exposure
<b>Eyes:</b>	May cause irritation, tearing and mild temporary pain.
<b>Inhalation:</b>	May cause irritation of the respiratory tract.
<b>Ingestion:</b>	Low ingestion hazard in normal use
<b>Chronic Toxicity:</b>	Repeated or prolonged ingestion or inhalation has been shown to affect the liver (increase in liver size) in mice and rats.
<b>Carcinogenicity:</b>	Chronic exposure via inhalation over 2 years has shown to cause a trend for uterine endometrial tumors in rats.
<b>Teratogenicity:</b>	No teratogenic effects were observed
<b>Mutagenicity:</b>	Mutagenic for bacteria and/or yeast.
<b>Sensitizing:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	May cause adverse reproductive effects in animals (octamethylcyclotetrasiloxane)

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Product is volatile and has a very short half life in the aquatic environment and therefore does not present a risk to aquatic organisms
<b>Persistence and Degradability:</b>	Due to its volatility this product is unlikely to be found in the terrestrial compartment
<b>Bioaccumulative Potential:</b>	This product is a low-molecular weight lipophilic molecule which has the potential for bioconcentration
<b>Mobility in Soil:</b>	Not available
<b>PBT and vPvB Assessment:</b>	Not available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	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>	Flammable Liquid n.o.s. (Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane), UN 1993, Class 3, PkgGrp III
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Not available
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DSCL (EEC): Not available

#### 16 OTHER INFORMATION

**Revision Date:** 03-25-2019

**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.