




# SAFETY DATA SHEET

WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
Product Name **Silsurf A004**  
Product code 2001  
Chemical Name Poly(oxy-1,2-ethanediyl), .alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-.omega.-hydroxy-67674-67-3  
CAS No.  
Alternative names (INCI) PEG-4 Dimethicone
- 1.2 Recommended use of the chemical and restrictions on use**  
Identified use(s) Additive Surface active agent. Wetting agent  
PC39 Cosmetics, personal care products  
Uses advised against Not available.
- 1.3 Details of the supplier of the Safety Data Sheet**  
Company Identification Siltech Corp  
225 Wicksteed Ave  
Toronto, ON Canada M4H 1G5  
Telephone +1-416-424-4567  
Fax +1-416-424-3158  
E-Mail (competent person) marsha.carter@siltech.com  
Additional Location Siltech Corp  
3265 Wolfedale Road  
Mississauga, ON Canada L5C 1V8  
Telephone +1-905-270-5534  
Fax +1-905-270-5816
- 1.4 Emergency telephone number**  
Emergency Phone No. **CANUTEC - TELEPHONE: EMERGENCY USE ONLY**  
**+1-613-996-6666**

## 2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
**Acute Tox. 4 - Inhalation**  
**Serious eye damage/irritation 1**  
**Aquatic Chronic 2**
- 2.2 Label elements**  
Product Name **Silsurf A004**  
Symbols 
- Signal word(s) **Danger**  
Hazard statement(s) H332: Harmful if inhaled.  
H318: Causes serious eye damage.  
H411: Toxic to aquatic life with long lasting effects.  
Precautionary statement(s) P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P501: Dispose of contents/container to: Observe Local Regulations.  
None known

2.3 Other hazards

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanylpropyl]-.omega.-hydroxy-	1,1,1,3,5,5,5-Heptamethyl-3-(propyl(poly(EO))hydroxy) Trisiloxane	> 80	67674-67-3	614-100-2	GHS05, GHS07,GHS09 H318, H332, H411

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If inhaled, give oxygen or artificial respiration, call a physician.

Skin Contact

Gently wash with plenty of soap and water.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Seek medical attention if irritation persists.

Ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

#### 4.2 Most important symptoms and effects, both acute and delayed

Not available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable Extinguishing Media

In case of fire: Use foam, water spray or fog to extinguish. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media

Dry Chemical

#### 5.2 Special hazards arising from the substance or mixture

Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

#### 5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

#### 6.2 Environmental precautions

Avoid release to the environment.

#### 6.3 Methods and material for containment and

Caution - spillages may be slippery. Cover spills with inert

- 6.4 cleaning up** absorbent material. Transfer to a container for disposal.  
**Reference to other sections** See Section: 7 & 8.





## 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a tightly closed container. Keep away from strong oxidizing substances.  
Storage Temperature Ambient  
Storage Life Stable under normal conditions.  
Incompatible materials Oxidizing agents
- 7.3 Specific end use(s)** Industrial use

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned						

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear protective eyewear (goggles, face shield, or safety glasses).
- Skin protection (Hand protection/ Other)  Wear suitable gloves if prolonged skin contact is likely.  
Plastic or rubber gloves
- Respiratory protection  Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
- Thermal hazards  None.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- Appearance Colourless to yellowish liquid.  
Odour Faint.  
Odour Threshold Not available.  
pH Not available.  
Melting Point/Freezing Point Not available.  
Initial boiling point and boiling range >100°C @ 760mmHg  
Flash point (PMCC) >100°C  
Evaporation rate Not available.

Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density / Specific Gravity (25°C)	0.99
Solubility(ies)	Dispersible in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	15 – 50 cps
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Will not occur.
10.4 Conditions to avoid	Protect from moisture.
10.5 Incompatible materials	Oxidizing agents.
10.6 Hazardous Decomposition Product(s)	Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	
Ingestion	LD50 (oral,rat) mg/kg: > 5050
Inhalation	LC50 (inhalation) mg/l/4h: 2.3 (rabbit)
Skin Contact	LD50 (skin,rabbit) mg/kg: 2000 – 5000
Eye Contact	Causes serious eye damage.
Effects and Symptoms	
skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye damage. Possible risk of irreversible effects.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified
Delayed and chronic effects	Not available
Calculated acute toxicity estimate (ATE)	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability	Not available.
12.3 Bioaccumulative potential	Not available.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and VPOB assessment	Not available.
12.6 Other adverse effects	None known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Do not empty into drains; dispose of this material and its container in a safe way.
13.2 Additional Information	Dispose of contents in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	3082
14.2	UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3-(Polyoxyethylene)propylheptamethyltrisiloxane)
14.3	Transport hazard class(es)	9
14.4	Packing Group	III
14.5	Environmental hazards	Marine Pollutant



## 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>EU regulations</b> REACH Registration No. Candidate List of Substances of Very High Concern for Authorisation	Polymer exempt. Possible trace amounts of: Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01% Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.01% Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.01% 1,4-Dioxane (CAS# 123-91-1) < 1 ppm
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### 15.2 International Inventories

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)	✓			
Canada (DSL/NDL)	DSL ✓			
European Union (EINECS/ELINCS)			✓	
Australia (AICS)	✓			
China (IECSC)	✓			
Japan (ENCS)			✓	
South Korea (KECI)	✓			
Taiwan (TCSI)	✓			
New Zealand (NZIoC)	✓			
Philippines (PICCS)	✓			

15.3	<b>National regulations</b> United States (TSCA)	TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).
	HMIS (Hazardous Material Information System)	<b>H = 1 / F = 1 / R = 0</b>
	NFPA Rating	<b>H = 1 / F = 1 / R = 0</b>

### 15.4 US State Regulations

15.4.1	SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM	Specific Listing(s) not required Possible trace amounts of: <b>Ethylene Oxide (CAS# 75-21-8) &lt; 1 ppm</b>
15.4.2	SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER	Specific Listing(s) not required Possible trace amounts of: <b>Ethylene Oxide (CAS# 75-21-8) &lt; 1 ppm</b> <b>1,4-Dioxane (CAS# 123-91-1) &lt; 1 ppm</b>
15.4.3	State Right to Know Lists	Specific Listing(s) not required Possible trace amounts of: <b>Octamethylcyclotetrasiloxane (CAS# 556-67-2) &lt; 100 ppm</b> <b>Ethylene Oxide (CAS# 75-21-8) &lt; 1 ppm</b> <b>1,4-Dioxane (CAS# 123-91-1) &lt; 1 ppm</b>

## 16. SECTION 16: OTHER INFORMATION

Revision: **October 18, 2022**

### Hazard statement(s) and Precautionary statement(s)

H318: Causes serious eye damage.

H332: Harmful if inhaled.

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P264: Wash (hands and exposed skin) thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

### Hazard pictogram(s)



**GHS05 GHS07 GHS09**

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