


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

<b>1.1 Product identifier</b>	Product Name <b>Silsurf A004-UP</b> Product code 2001.1 Chemical Name 3-(Polyoxyethylene)propylheptamethyltrisiloxane CAS No. 67674-67-3 Alternative names (INCI) PEG-4 Dimethicone
<b>1.2 Recommended use of the chemical and restrictions on use</b>	Identified use(s) PC39 Cosmetics, personal care products. Additive Surface active agent. Uses advised against Not available.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	<b>Company Identification</b> Siltech Corp 225 Wicksteed Ave Toronto, ON Canada M4H 1G5 Telephone +1-416-424-4567 Fax +1-416-424-3158 E-Mail (competent person) raj@siltech.com
<b>Additional Location</b>	Siltech Corp 3265 Wolfedale Road Mississauga, ON Canada L5C 1V8 Telephone +1-905-270-5534 Fax +1-905-270-5816
<b>1.4 Emergency telephone number</b>	<b>Emergency Phone No. CANUTECH - TELEPHONE: EMERGENCY USE ONLY</b> <b>+1-613-996-6666</b>

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	Acute Tox. 4 - Inhalation Serious eye damage/irritation 1 Aquatic Chronic 2
<b>2.2 Label elements</b>	<b>Product Name</b> Silsurf A004-UP <b>Symbols</b> 
<b>Signal word(s)</b>	<b>Danger</b>
<b>Hazard statement(s)</b>	H332: Harmful if inhaled. H318: Causes serious eye damage. H411: Toxic to aquatic life with long lasting effects.
<b>Precautionary statement(s)</b>	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. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313: Get medical advice/attention. P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal should be in accordance with local, state or national legislation.  
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]disiloxanyl]propyl]-.omega.-hydroxy-	3-(Polyoxyethylene)propyl-heptamethyltrisiloxane	> 80	67674-67-3	Not applicable	GHS05-GHS09 H332,H318, 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

Unlikely to be required but if necessary treat symptomatically.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for several minutes.

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

Unlikely to be required but if necessary 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 cleaning up

Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal.

#### 6.4 Reference to other sections

See Section: 7 & 8.




## 7. SECTION 7: HANDLING AND STORAGE

- |     |  |   |
|-----|--|---|
| 7.1 | <b>Precautions for safe handling</b>   | 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 | <b>Conditions for safe storage, including any incompatibilities</b><br>Storage Temperature<br>Storage Life<br>Incompatible materials | Store in a tightly closed container. Keep away from strong oxidizing substances.<br>Ambient<br>Stable under normal conditions.<br>Oxidizing agents  |
| 7.3 | <b>Specific end use(s)</b>   | 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 | <b>Biological limit value</b>   | Not established   |
| 8.1.3 | <b>PNECs and DNELs</b>  | Not established   |
| 8.2   | <b>Exposure controls</b>  |   |
| 8.2.1 | <b>Appropriate engineering controls</b>   | Provide adequate ventilation.   |
| 8.2.2 | <b>Personal protection equipment</b>  |   |
|       | Eye/face protection<br>                      | Wear protective eyewear (goggles, face shield, or safety glasses).  |
|       | Skin protection (Hand protection/ Other)<br> | Wear suitable gloves if prolonged skin contact is likely.<br>Plastic or rubber gloves   |
|       | Respiratory protection<br>                   | 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 | <b>Environmental Exposure Controls</b>  | Avoid release to the environment.   |

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- |     |  |                                 |
|-----|--|---------------------------------|
| 9.1 | <b>Information on basic physical and chemical properties</b> |                                 |
|     | 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)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	10 – 40 cps
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

## 10. SECTION 10: STABILITY AND REACTIVITY

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

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	
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.
<b>Effects and Symptoms</b>	
<b>skin corrosion/irritation</b>	Not classified
<b>Serious eye damage/irritation</b>	Causes serious eye damage. Possible risk of irreversible effects.
<b>Respiratory or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT - single exposure</b>	Not classified
<b>STOT - repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified
<b>Delayed and chronic effects</b>	Not available
<b>Calculated acute toxicity estimate (ATE)</b>	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Toxic to aquatic life with long lasting effects.
<b>12.2 Persistence and degradability</b>	This substance is predicted to degrade in soil and water.
<b>12.3 Bioaccumulative potential</b>	The substance has low potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	The substance is predicted to have low mobility in soil.
<b>12.5 Results of PBT and VPVB assessment</b>	Not available.
<b>12.6 Other adverse effects</b>	None known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Do not empty into drains; dispose of this material and its container in a safe way.
<b>13.2 Additional Information</b>	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 EU regulations  
 REACH Registration No. Polymer exempt.

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 National regulations  
 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) H = 1 / F = 1 / R = 0  
 NFPA Rating H = 1 / F = 1 / R = 0

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:  
**Ethylene Oxide (CAS# 75-21-8) < 1ppm**

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER Specific Listing(s) not required  
 Possible trace amounts of:  
**Ethylene Oxide (CAS# 75-21-8) < 1ppm**  
**1,4-Dioxane (CAS# 123-91-1) < 1 ppm**

15.4.3 State Right to Know Lists Specific Listing(s) not required  
 Possible trace amounts of:  
**Ethylene Oxide (CAS# 75-21-8) < 1ppm**  
**1,4-Dioxane (CAS# 123-91-1) < 1 ppm**

## 16. SECTION 16: OTHER INFORMATION

Revision: May 15, 2018

### References:

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

H332: Harmful if inhaled.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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.

#### Hazard pictogram(s)



GHS05 GHS07 GHS09

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