


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

1.1 Product identifier	Product Name Silsurf A004-UP Product code 2001.1 Chemical Name 3-(Polyoxyethylene)propylheptamethyltrisiloxane CAS No. 67674-67-3 Alternative names (INCI) PEG-4 Dimethicone
1.2 Recommended use of the chemical and restrictions on use	Identified use(s) PC39 Cosmetics, personal care products. Additive Surface active agent. 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) raj@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. CANUTECH - 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-UP 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. 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 | 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
Storage Temperature
Storage Life
Incompatible materials | Store in a tightly closed container. Keep away from strong oxidizing substances.
Ambient
Stable under normal conditions.
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 ³)	STEL (ppm)	STEL (mg/m ³)	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)	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

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	This substance is predicted to degrade in soil and water.
12.3 Bioaccumulative potential	The substance has low potential for bioaccumulation.
12.4 Mobility in soil	The substance is predicted to have low mobility in soil.
12.5 Results of PBT and VPVB 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 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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