


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 Poly(oxy-1,2-ethanediyl), .alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-.omega.-hydroxy-67674-67-3 CAS No. PEG-4 Dimethicone Alternative names (INCI)
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	Silsurf A004-UP 
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]disiloxany l]propyl]-.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. Obtain medical attention.

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 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

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 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	Not available.
12.3 Bioaccumulative potential	Not available.
12.4 Mobility in soil	Not available.
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. 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	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) < 1 ppm
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) < 1 ppm 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: Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01% Ethylene Oxide (CAS# 75-21-8) < 1 ppm 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

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.

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.

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.

Hazard pictogram(s)



GHS05 GHS07 GHS09

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