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

1.1 **Product Identifier**

- **Product Name**: Silsurf A00-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**

  ![Danger Symbol]

  - **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.
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>Synonym(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Hazard pictogram(s) and Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), alpha-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxany]propyl]-omega-hydroxy-</td>
<td>3-(Polyoxyethylene)propyl-heptamethyltrisiloxane</td>
<td>&gt; 80</td>
<td>67674-67-3</td>
<td>Not applicable</td>
<td>GHS05-GHS07-GHS09 H332, H318, H411</td>
</tr>
</tbody>
</table>

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**  
  Ambient  
- **Storage Life**  
  Stable under normal conditions.  
- **Incompatible materials**  
  Oxidizing agents  
- **Specific end use(s)**  
  Industrial use

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

8.1 **Control parameters**

8.1.1 **Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>None assigned</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
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<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>✓</td>
<td></td>
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</tr>
<tr>
<td>Australia (AICS)</td>
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<td>China (IECSO)</td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✓</td>
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</tbody>
</table>

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)
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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