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

1.1 Product identifier

Product Name: Silsurf Di-5018-F
Product code: 2867.1
Chemical Name: Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, ethoxylated propoxylated
CAS No.: 151662-01-0

1.2 Recommended use of the chemical and restrictions on use

Identified use(s): Surface active agent, Coatings, Additive
Uses advised against: None known

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

Not classified

2.2 Label elements

Product Name: Silsurf Di-5018-F
Symbol: NONE
Signal word(s): NONE
Hazard statement(s): NONE
Precautionary statement(s): P262: Do not get in eyes, on skin, or on clothing.

2.3 Other hazards

None known

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>Contains no hazardous ingredients</td>
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<td></td>
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</tr>
</tbody>
</table>
4. **SECTION 4: FIRST AID MEASURES**

4.1 **Description of first aid measures**

- **Inhalation**: unlikely to be required but if necessary treat symptomatically.
- **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, 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 water spray, foam, dry powder or CO2 for extinction. Keep containers cool by spraying with water if exposed to fire.

- **Unsuitable Extinguishing Media**: none known

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. Ideal storage temperature is (°C): 15 - 40
- **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**

<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>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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.

Respiratory protection
No personal respiratory protective equipment normally required.

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): Not available.
Solubility(ies): Partially soluble - Dispersible in water.
Partition coefficient: n-octanol/water: Not available.
Auto-ignition temperature: Not available.
Decomposition Temperature: Not available.
Viscosity (25°C): 10 000 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
None known.

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 Low toxicity under normal conditions of handling and use.
Inhalation Low toxicity under normal conditions of handling and use.
Skin Contact None anticipated
Eye Contact None anticipated

Effects and Symptoms
skin corrosion/irritation Not classified
Serious eye damage/irritation Not classified
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 Low toxicity to aquatic organisms.
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 DOT / TDG / Road/Rail (ADR/RID) Not classified as hazardous for road transport.
14.2 Air (ICAO/IATA) Not classified as hazardous for air transport.
14.3 Sea (IMDG) Not classified as hazardous for marine transport.

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
REACH Registration No. Polymer exempt.
Candidate List of Substances of Very High Concern for Authorisation
Possible trace amounts of: (<0.01%)
Octamethylcyclotetrasiloxane (CAS# 556-67-2)
Decamethylcyclopentasiloxane (CAS# 541-02-6)
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)
15.3 International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not Listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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<tbody>
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<td>United States (TSCA)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSSL)</td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>✓</td>
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<td>China (IECSO)</td>
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<td>New Zealand (NZIoC)</td>
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<tr>
<td>Philippines (PICCS)</td>
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</tr>
</tbody>
</table>

15.4 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

15.5 US State Regulations

15.5.1 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

15.5.2 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  
Propylene Oxide (CAS# 75-56-9) < 1 ppm  
1,4-Dioxane (CAS# 123-91-1) < 1 ppm

15.5.3 State Right to Know Lists  
Specific Listing(s) not required  
Possible trace amounts of:  
Ethylene Oxide (CAS# 75-21-8) < 1 ppm  
Propylene Oxide (CAS# 75-56-9) < 1 ppm  
1,4-Dioxane (CAS# 123-91-1) < 1 ppm

16. SECTION 16: OTHER INFORMATION

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LEGEND

LTEL  Long Term Exposure Limit  
STEL  Short Term Exposure Limit  
STOT  Specific Target Organ Toxicity  
DNEL  Derived No Effect Level  
PNEC  Predicted No Effect Concentration  
PBT  Persistent, Bioaccumulative and Toxic  
vPvB  very Persistent and very Bioaccumulative

References:

Hazard statement(s) and Precautionary statement(s)
P262: Do not get in eyes, on skin, or on clothing.

Hazard pictogram(s) and Hazard Symbol
NONE
Training advice:

Additional Information

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