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

1.1 Product identifier
Product Name: Silsurf G1018-F
Product code: 2163.3
Chemical Name: Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated
CAS No.: 68937-55-3
Alternative names (INCI): PEG/PPG-18/6 Dimethicone

1.2 Recommended use of the chemical and restrictions on use
Identified use(s): Emulsifier, Surface active agent, 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 G1018-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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Contains no hazardous ingredients</td>
</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. 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**
Store in a tightly closed container.

**Storage Temperature**
Ambient

**Storage Life**
Stable under normal conditions.

**Incompatible materials**
Oxidizing agents

**Industrial use**

7.3 **Specific end use(s)**

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>
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<tbody>
<tr>
<td>None assigned</td>
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<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)

Soluble in water.

Partition coefficient: n-octanol/water

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

Viscosity (25°C)

3000 - 4000 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.
- Not classified as hazardous for rail 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

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<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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<td>United States (TSCA)</td>
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<td>Canada (DSL/NDSL)</td>
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<td>Australia (AICS)</td>
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<td>Philippines (PICCS)</td>
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</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)

- H = 1 / F = 1 / R = 0

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

Revision: September 19, 2018

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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