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

1.1 Product identifier
   - Product Name: Silube T308-16
   - Product code: 2511
   - Chemical Name: Siloxanes and Silicones, C15-18-alkyl Me, di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated
   - CAS No.: 142321-71-9
   - Alternative names (INCI): Cetyl PEG/PPG–10/1 Dimethicone

1.2 Recommended use of the chemical and restrictions on use
   - Identified use(s): PC39 Cosmetics, personal care products
   - Emulsifier, Surface active agent
   - 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: Silube T308-16
   - 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>
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</thead>
<tbody>
<tr>
<td>Contains no hazardous ingredients</td>
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</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

Store in a tightly closed container.

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

<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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</thead>
<tbody>
<tr>
<td>None assigned</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Revision: 5
Page: 2/6
Date: 05/09/2018
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
  Characteristic odour.

- 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)
  0.94

- Solubility(ies)
  Insoluble in water.

- Partition coefficient: n-octanol/water
  Not available.

- Auto-ignition temperature
  Not available.

- Decomposition Temperature
  Not available.

- Viscosity (25°C)
  900 ~ 2300 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

皮肤腐蚀/刺激 Not classified
严重眼损伤/刺激 Not classified
呼吸道或皮肤刺激 Not classified
遗传毒性 Not classified
生殖毒性 Not classified
STOT - 单次接触 Not classified
STOT - 重复接触 Not classified
吸入危害 Not classified
迟发和慢性影响 Not available
急性毒性估算 (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

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<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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<tr>
<td>Canada (DSL/ND SL)</td>
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<td></td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>Australia (AICS)</td>
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<tr>
<td>Philippines (PICCS)</td>
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</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) < 1ppm

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 05, 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
Additional Information

Disclaimers

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