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

1.1 **Product identifier**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Silquat 4016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>4440.19</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Mixture</td>
</tr>
<tr>
<td>CAS No.</td>
<td>Mixture</td>
</tr>
<tr>
<td>Alternative names (INCI)</td>
<td>Water, Dimethicone-PG Diethylylammonium Chloride, Centrimonium Chloride, and 1,3-propanediol</td>
</tr>
</tbody>
</table>

1.2 **Recommended use of the chemical and restrictions on use**

<table>
<thead>
<tr>
<th>Identified use(s)</th>
<th>PC39 Cosmetics, personal care products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additive</td>
<td></td>
</tr>
<tr>
<td>Uses advised against</td>
<td>None known</td>
</tr>
</tbody>
</table>

1.3 **Details of the supplier of the Safety Data Sheet**

<table>
<thead>
<tr>
<th>Company Identification</th>
<th>Siltech Corp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>+1-416-424-4567</td>
</tr>
<tr>
<td>Fax</td>
<td>+1-416-424-3158</td>
</tr>
<tr>
<td>E-Mail (competent person)</td>
<td><a href="mailto:raj@siltech.com">raj@siltech.com</a></td>
</tr>
<tr>
<td>Additional Location</td>
<td>Siltech Corp</td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-905-270-5534</td>
</tr>
<tr>
<td>Fax</td>
<td>+1-905-270-5816</td>
</tr>
</tbody>
</table>

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**

| Skin corrosion/irritation | 2 |
| Serious eye damage/irritation | 1 |

2.2 **Label elements**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Silquat 4016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word(s)</th>
<th>DANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statement(s)</td>
<td>H315: Causes skin irritation. H318: Causes serious eye damage.</td>
</tr>
</tbody>
</table>
2.3 Other hazards

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<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>1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)</td>
<td>Cetrimonium chloride</td>
<td>5 - 15</td>
<td>112-02-7</td>
<td>203-928-6</td>
<td>GHS05, GHS07, GHS09 H302, H315, H318, H400</td>
</tr>
</tbody>
</table>

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Remove persons affected by vapour to fresh air.

Skin Contact
Remove contaminated clothing immediately and wash affected skin with soap and water.

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. See Section: 7 & 8.

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

Store in a tightly closed container.
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 known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.2 Biological limit values

- 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 protective clothing and gloves: (120 min break thru time)

- Respiratory protection: Respiratory protection is not necessary if room is well ventilated.

- 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: Characteristic odour.
- Odour Threshold: Not available.
- pH: Not available.
- Melting Point/Freezing Point: Not available.
- Initial boiling point and boiling range: Not available.
- 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): 150 cps
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 May be harmful if swallowed.
Inhalation Low toxicity under normal conditions of handling and use.
Skin Contact Causes skin irritation.
Eye Contact Causes serious eye damage.

Effects and Symptoms
skin corrosion/irritation Repeated and/or prolonged skin contact may cause irritation.
Serious eye damage/irritation Causes serious eye damage.
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 Not available.
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 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 / Not available

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>
</tr>
</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
<td></td>
<td>✓</td>
<td>DSL</td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>China (IECSO)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japan (ENCS)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>South Korea (KECI)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Taiwan (TCSI)</td>
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<td></td>
<td></td>
<td>✓</td>
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<tr>
<td>New Zealand (NZIoC)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</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)
H = 2 / F = 0 / R = 0

NFPA Rating
H = 2 / F = 0 / 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
None known.

15.5.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER
None known.

15.5.3 State Right to Know Lists
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01%

16. SECTION 16: OTHER INFORMATION

Revision: December 10, 2019

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
Hazard statement(s) and Precautionary statement(s)
H315: Causes skin irritation.
H318: Causes serious eye damage.
P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard pictogram(s) and Hazard Symbol

Additional Information

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