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

1.1 **Product identifier**

<table>
<thead>
<tr>
<th><strong>Product Name</strong></th>
<th><strong>Silstab 2400</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>2700</td>
</tr>
<tr>
<td><strong>Chemical Name</strong></td>
<td>Mixture</td>
</tr>
<tr>
<td><strong>CAS No.</strong></td>
<td>68937-55-3 / 127087-87-0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th><strong>Identified use(s)</strong></th>
<th>Foaming or blowing agent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foam</td>
</tr>
<tr>
<td><strong>Uses advised against</strong></td>
<td>None known</td>
</tr>
</tbody>
</table>

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

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

**Additional Location**

<table>
<thead>
<tr>
<th><strong>Siltech Corp</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3265 Wolfedale Road,</strong></td>
</tr>
<tr>
<td>Mississauga ON Canada L5C 1V8</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
</tr>
<tr>
<td><strong>Fax</strong></td>
</tr>
</tbody>
</table>

1.4 **Emergency telephone number**

<table>
<thead>
<tr>
<th><strong>Emergency Phone No.</strong></th>
<th><strong>CANUTECH - TELEPHONE: EMERGENCY USE ONLY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+1-613-996-6666</td>
</tr>
</tbody>
</table>

2. **SECTION 2: HAZARDS IDENTIFICATION**

2.1 **Classification of the substance or mixture**

<table>
<thead>
<tr>
<th><strong>Acute Tox. 4 - Oral</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute Tox. 4 - Inhalation</strong></td>
</tr>
<tr>
<td><strong>Skin Irrit. 2</strong></td>
</tr>
<tr>
<td><strong>Eye Dam. 1</strong></td>
</tr>
<tr>
<td><strong>Aquatic Chronic 2</strong></td>
</tr>
</tbody>
</table>

2.2 **Label elements**

<table>
<thead>
<tr>
<th><strong>Product Name</strong></th>
<th><strong>Silstab 2400</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Symbol</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Signal word(s)**

<table>
<thead>
<tr>
<th><strong>DANGER</strong></th>
</tr>
</thead>
</table>

**Hazard statement(s)**

| H302+H332: Harmful if swallowed or if inhaled |
| H315: Causes skin irritation. |
| 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. |

**Precautionary statement(s)**

| P270: Do not eat, drink or smoke when using this product. |
| 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. |
| P301+P312: IF SWALLOWED: Call a POISON |

**CANUTECH - TELEPHONE: EMERGENCY USE ONLY**

| +1-613-996-6666 |
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 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>Poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-omega-(hydroxy-, branched</td>
<td>Polyethylene glycol mono (branched p-nonylphenyl) ether</td>
<td>45 - 55</td>
<td>127087-87-0</td>
<td>932-098-4</td>
<td>GHS05, GHS07, GHS09 H302, H332, H315, H318, H411</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), α-(dinonylphenyl)-ω-hydroxy-</td>
<td>Dinonylphenyl polyoxyethylene &gt;14 EO</td>
<td>0.5 – 2.5</td>
<td>9014-93-1</td>
<td>618-488-4</td>
<td>GHS07 : H319</td>
</tr>
</tbody>
</table>

2.3 Other hazards

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

**Inhalation**

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation develops and persists, get medical attention.

**Eye Contact**

If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Get medical attention immediately.

**Ingestion**

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye damage. Harmful by inhalation and if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

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.

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

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>
<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
 Ensure adequate ventilation to remove vapours, fumes, dust etc.

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 protective clothing and gloves. Impervious gloves (EN 374).

Respiratory protection
 Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
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: Perceptible 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): 1.06
- Solubility(ies): Soluble in water.
- Partition coefficient: n-octanol/water: Not available.
- Auto-ignition temperature: Not available.
- Decomposition Temperature: Not available.
- Viscosity (25°C): 400 – 800 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: Harmful if swallowed.
  - Inhalation: Harmful if inhaled.
  - Skin Contact: Will cause skin irritation.
  - Eye Contact: Causes serious eye damage.

- Effects and Symptoms
  - skin corrosion/irritation: Causes skin 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
Toxic to aquatic life with long lasting effects.

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 UN number
3082

14.2 UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (NONYLPHENOL POLYETHYLENE GLYCOL ETHER)

14.3 Class
9 Packing group III

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
REACH Registration No.
Polymer exempt.

Candidate List of Substances of Very High Concern for Authorisation
Octamethylcyclotetrasiloxane (CAS# 556-67-2)
Decamethylcyclopentasiloxane (CAS# 541-02-6)
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

ANNEX XVII (restricted)
Polyethylene glycol mono (branched p-nonylphenyl) ether (CAS#127087-87-0)

PIC (export restriction)
Polyethylene glycol mono (branched p-nonylphenyl) ether (CAS#127087-87-0)

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>
<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></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>China (IECSO)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Japan (ENCS)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>South Korea (KECI)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Taiwan (TCSI)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>New Zealand (NZIoC)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
</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)
H = 2 / 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) < 10 ppm

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) < 10 ppm
Propylene Oxide (CAS# 75-56-9) < 1 ppm
1,4-Dioxane (CAS# 123-91-1) < 10 ppm

15.4.3 State Right to Know Lists
Specific Listing(s) not required
Possible trace amounts of:
Ethylene Oxide (CAS# 75-21-8) < 10 ppm
Propylene Oxide (CAS# 75-56-9) < 1 ppm
1,4-Dioxane (CAS# 123-91-1) < 10 ppm

16. SECTION 16: OTHER INFORMATION

Revision: February 08, 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)
H302+H332: Harmful if swallowed or if inhaled
H315: Causes skin irritation.
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.
P270: Do not eat, drink or smoke when using this product.
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.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s) and Hazard Symbol

 Revision: 4 Page: 6/7 Date: 08/02/2019
Additional Information

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Siltech Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Siltech Corp. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.