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

1.1 **Product identifier**

   **Product Name**
   Silmer NH C50

   **Product code**
   4892

   **Chemical Name**
   Siloxanes and Silicones, 3-aminopropyl Me, di-Me

   **CAS No.**
   99363-37-8

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

   **Identified use(s)**
   An intermediate chemical product.

   **Additive**
   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**

   Skin Irrit. 2

   Eye Irrit. 2

2.2 **Label elements**

   **Product Name**
   Silmer NH C50

   **Symbol**

   **Signal word(s)**
   Warning

   **Hazard statement(s)**
   H315: Causes skin irritation.
   H319: Causes serious eye irritation.

   **Precautionary statement(s)**
   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.
   P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
   P332+P313: If skin irritation occurs: Get medical advice/attention.
   P337+P313: If eye irritation persists: Get medical advice/attention.
   P403+P233: Store in a well-ventilated place. Keep container tightly closed.
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>Siloxanes and Silicones, 3-aminopropyl Me, di-Me</td>
<td>Aminated Polydimethylsiloxane</td>
<td>95 - 100</td>
<td>99363-37-8</td>
<td>Polymer exempt</td>
<td>GHS07: H315, H319</td>
</tr>
</tbody>
</table>

4. **SECTION 4: FIRST AID MEASURES**

4.1 Description of first aid measures

- **Inhalation**: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **Skin Contact**: Remove contaminated clothing immediately and wash affected skin with soap and water. Obtain medical attention if ill effects occur.
- **Eye Contact**: If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Obtain medical attention if ill effects occur.
- **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

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

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
7.2 Conditions for safe storage, including any incompatibilities

- 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>
</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

- 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. Nitrile rubber, Neoprene, Rubber
- Respiratory protection: Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
- 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: 10 - 11
- 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.
### 10. SECTION 10: STABILITY AND REACTIVITY

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Reactivity</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>10.2 Chemical stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>10.3 Possibility of hazardous reactions</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>10.4 Conditions to avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>10.5 Incompatible materials</td>
<td>Oxidizing agents.</td>
</tr>
<tr>
<td>10.6 Hazardous Decomposition Product(s)</td>
<td>Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.</td>
</tr>
</tbody>
</table>

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1 Information on toxicological effects</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Low toxicity under normal conditions of handling and use.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mist may cause irritation.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>May cause irritation</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>May cause irritation</td>
</tr>
<tr>
<td>Effects and Symptoms</td>
<td></td>
</tr>
<tr>
<td>skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT - repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Delayed and chronic effects</td>
<td>Not available</td>
</tr>
<tr>
<td>Calculated acute toxicity estimate (ATE)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 12. SECTION 12: ECOLOGICAL INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1 Toxicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>12.2 Persistence and degradability</td>
<td>Not available.</td>
</tr>
<tr>
<td>12.3 Bioaccumulative potential</td>
<td>Not available.</td>
</tr>
<tr>
<td>12.4 Mobility in soil</td>
<td>Not available.</td>
</tr>
<tr>
<td>12.5 Results of PBT and VPVB assessment</td>
<td>Not available.</td>
</tr>
<tr>
<td>12.6 Other adverse effects</td>
<td>None known</td>
</tr>
</tbody>
</table>

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13.1 Waste treatment methods</td>
<td>Do not empty into drains; dispose of this material and its container in a safe way.</td>
</tr>
<tr>
<td>13.2 Additional Information</td>
<td>Dispose of contents in accordance with local, state or national legislation.</td>
</tr>
</tbody>
</table>

### 14. SECTION 14: TRANSPORT INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 DOT / TDG / Road/Rail (ADR/RID)</td>
<td>Not classified as hazardous for road transport.</td>
</tr>
<tr>
<td>14.2 Air (ICAO/IATA)</td>
<td>Not classified as hazardous for rail transport.</td>
</tr>
<tr>
<td>14.3 Sea (IMDG)</td>
<td>Not classified as hazardous for air transport.</td>
</tr>
</tbody>
</table>
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: < 0.1%  
Octamethylcyclotetrasiloxane (CAS# 556-67-2)  
Decamethylcyclopentasiloxane (CAS# 541-02-6)  
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

15.2 International Inventories

<table>
<thead>
<tr>
<th>Country (TSCA)</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>☑️</td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td></td>
<td>☑️</td>
<td></td>
<td></td>
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<tr>
<td>Australia (AICS)</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>China (IECSC)</td>
<td></td>
<td></td>
<td>☑️</td>
<td></td>
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<tr>
<td>Japan (ENCS)</td>
<td></td>
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<td>☑️</td>
<td></td>
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<tr>
<td>South Korea (KECI)</td>
<td></td>
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<td>☑️</td>
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<tr>
<td>Taiwan (TCSI)</td>
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<td>☑️</td>
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<tr>
<td>New Zealand (NZIoC)</td>
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<tr>
<td>Philippines (PICCS)</td>
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<td>☑️</td>
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</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 = 1 / F = 1 / R = 0

NFPA Rating  
H = 1 / 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  
None known.

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

15.4.3 State Right to Know Lists  
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%

16. SECTION 16: OTHER INFORMATION

Revision: January 10, 2020

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.  
H319: Causes serious eye irritation.  
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.
Additional Information

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