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

1.1 **Product identifier**
- **Product Name**: Silmer H Di-10
- **Product code**: 7672.1
- **Chemical Name**: Siloxanes and Silicones, di-Me, hydrogen-terminated
- **CAS No.**: 70900-21-9

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: An intermediate chemical product.
- **PC32 Polymer preparations and compounds**
- **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 Wolfdale 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**: Silmer H Di-10
- **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**
- Some hydrogen gas may be released. Hydrogen is flammable and can form explosive mixtures with air.

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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</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.
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, dry powder or carbon dioxide to extinguish. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media
Do not use dry chemical or foam.

5.2 Special hazards arising from the substance or mixture
Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde. Hydrogen may be formed. Vapour may create explosive atmosphere.

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. Eliminate all ignition sources if safe to do so.

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. Keep away from fire, sparks and heated surfaces. Ambient Stable under normal conditions. Oxidizing agents. Reacts with moisture. Hydrogen may be formed.

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
### 8. SUBSTANCE INFORMATION

<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>
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<tbody>
<tr>
<td>None assigned</td>
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<td></td>
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<td></td>
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</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.
- **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 liquid.
- **Odour**
  - Almost odourless.
- **Odour Threshold**
  - Not available.
- **pH**
  - 6.0 – 7.5 (10% in 70/20 IPA/DI water)
- **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)**
  - Insoluble in water.
- **Partition coefficient: n-octanol/water**
  - Not available.
- **Auto-ignition temperature**
  - Not available.
- **Decomposition Temperature**
  - Not available.
- **Viscosity (25°C)**
  - 5 – 10 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. May decompose if heated above (°C): 250

#### 10.3 Possibility of hazardous reactions

Will not occur.

#### 10.4 Conditions to avoid

Reacts with moisture.

#### 10.5 Incompatible materials

- Oxidizing agents. Water, Alcohols. Contact with acids and alkalis may form flammable gases. Hydrogen may be
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  

<table>
<thead>
<tr>
<th>Acute toxicity</th>
</tr>
</thead>
</table>
| 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  
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 Sea (IMDG)  
Not classified as hazardous for marine transport.

14.3 Air (ICAO/IATA)  
Not classified as hazardous for air transport.  
**VENTED PACKAGES ARE FORBIDDEN FOR AIR 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  
vPvB: very Persistent and very Bioaccumulative  
PBT: Persistent, Bioaccumulative and Toxic  
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%  
Decamethylcyclopentasiloxane (CAS# 541-02-6) 1 – 2%  
Dodecamethylcyclohexasiloxane (CAS# 540-97-6) 2 – 3%

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15.3 International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
<td>✓</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSSL)</td>
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</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>Australia (AICS)</td>
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<td>South Korea (KECI)</td>
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<td>New Zealand (NZIoC)</td>
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<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 = 1

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  
None known.

16. SECTION 16: OTHER INFORMATION

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LEGEND  

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>LTEL</td>
<td>Long Term Exposure Limit</td>
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<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
</tr>
<tr>
<td>STOT</td>
<td>Specific Target Organ Toxicity</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

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

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