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

1.1 **Product identifier**
- **Product Name**: Silmer EP Di-50
- **Product code**: 5890
- **Chemical Name**: Siloxanes and Silicones, di-Me, 3-(2-oxiranymethoxy) propyl group-terminated
- **CAS No.**: 102782-97-8

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: An intermediate chemical product.
- **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**: Silmer EP Di-50
- **Symbol**: NONE
- **Signal word(s)**: NONE
- **Hazard statement(s)**: None known.
- **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>
</tr>
</thead>
<tbody>
<tr>
<td>Contains no hazardous ingredients</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</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, 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

- **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.

- **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**
  - Faint.

- **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)**
  - 0.98

- **Solubility(ies)**
  - Insoluble in water.

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

- **Auto-ignition temperature**
  - Not available.

- **Decomposition Temperature**
  - Not available.

- **Viscosity (25°C)**
  - 50 - 150 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

<table>
<thead>
<tr>
<th>Effect/Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</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

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.
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)
15.3 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/NDSSL)</td>
<td></td>
<td></td>
<td>NDSL ✓</td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td></td>
<td></td>
<td>✓</td>
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<tr>
<td>Australia (AICS)</td>
<td>✓</td>
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<td></td>
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<tr>
<td>China (IECS)</td>
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<td>Japan (ENCS)</td>
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<td>New Zealand (NZIoC)</td>
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<td></td>
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<tr>
<td>Philippines (PICCS)</td>
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<td>X</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)
H = 1 / F = 1 / R = 0
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
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

Revision: November 23, 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

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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