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

1.1 Product identifier

- **Product Name**: Silmer OH ACR Di-100
- **Product code**: 5882.15
- **Chemical Name**: Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy)propyl group-terminated
- **CAS No.**: 125455-52-9

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

- Skin sensitisation, category 1B

2.2 Label elements

- **Product Name**: Silmer OH ACR Di-100
- **Symbol**: !
- **Signal word(s)**: Warning
- **Hazard statement(s)**: H317: May cause an allergic skin reaction.
- **Precautionary statement(s)**: P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
  P272: Contaminated work clothing should not be allowed out of the workplace.
  P280: Wear protective gloves/protective clothing/eye protection/face protection.
  P302+P352: IF ON SKIN: Wash with plenty of water.
  P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
  P363: Wash contaminated clothing before reuse.
  P403+P233: Store in a well-ventilated place. Keep container tightly closed.
  P501: Dispose of contents/container to: Observe Local Regulations.

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>Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[1-oxo-2-propenyl]oxy)propoxy]propyl group-terminated</td>
<td>---</td>
<td>&gt;99</td>
<td>125455-52-9</td>
<td>Not applicable</td>
<td>GHS07 : H317</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 plenty of water. Seek medical attention if irritation persists.
Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Seek medical attention if irritation persists.
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

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. Wear impervious gloves (EN374).

7.2 Conditions for safe storage, including any

Store in a tightly closed container.
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 impervious gloves (EN374).
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  Coloured 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)  Not available.
Partition coefficient: n-octanol/water  Not available.
Auto-ignition temperature  Not available.
Decomposition Temperature  Not available.
Viscosity (25°C)  200 - 6000 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
Low toxicity under normal conditions of handling and use.

Inhalation
May cause irritation.

Skin Contact
May cause irritation.

Eye Contact
May cause irritation.

Effects and Symptoms
skin corrosion/irritation
Not classified

Serious eye damage/irritation
Not classified

Respiratory or skin sensitization
Repeated and/or prolonged contact may cause skin sensitisation.

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.
- **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)

- **Contains:**
  - 1-methylimidazole (CAS# 616-47-7) < 0.2%

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>
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<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<td></td>
<td></td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
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<tr>
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</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15.4 **National regulations**

- **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: **July 02, 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

**References:**
Hazard statement(s) and Precautionary statement(s)
H317: May cause an allergic skin reaction.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
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P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Hazard pictogram(s) and Hazard Symbol

Additional Information

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