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

1.1 **Product identifier**
- **Product Name**: Silmer ACR D208
- **Product code**: 5662
- **Chemical Name**: Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol and polyethylene glycol monoacrylate
- **CAS No.**: 518299-28-0

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: An intermediate chemical product.
- **Use advised against**: Additive, Coatings

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**
- **Repr. 1B**

2.2 **Label elements**
- **Product Name**: Silmer ACR D208
- **Symbol**: D

  **Signal word(s)**: Danger
  **Hazard statement(s)**: H360: May damage fertility or the unborn child.
  **Precautionary statement(s)**: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P308+P313: IF exposed or concerned: Get medical advice/attention.
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 Hazardous substances

<table>
<thead>
<tr>
<th>Substance(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>Dibutyltin diacetate</td>
<td>dibutyltin di(acetate)</td>
<td>0.19 - 0.21</td>
<td>1067-33-0</td>
<td>213-928-8</td>
<td>GHS06, GHS08, GHS05, GHS07, H314, H317, H318, H341, H360, H370, H372, H410</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. 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 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>dibutyltin di(acetate)</td>
<td>1067-33-0</td>
<td>0.1</td>
<td>0.2</td>
<td></td>
<td></td>
<td>(as Sn)</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: Coloured liquid (Yellow)
- Odour: Characteristic 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): 1.07
- Solubility(ies): Soluble in water.
- Partition coefficient: n-octanol/water: Not available.
- Auto-ignition temperature: Not available.
- Decomposition Temperature: Not available.
- Viscosity (25°C): 300 – 1000 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  May be harmful if swallowed.
- Inhalation  Low toxicity under normal conditions of handling and use.
- 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  Not classified
- Germ cell mutagenicity  Not classified
- Carcinogenicity  Not classified
- Reproductive toxicity  May damage fertility. May damage the unborn child.
- 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)
  - Decamethylocyclopentasiloxane (CAS# 541-02-6)
  - Dodecamethylocyclohexasiloxane (CAS# 540-97-6)
Product: **Silmer ACR D208**

Contains: dibutyltin di(acetate) (CAS#106733-0): 0.19 – 0.21%

### 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></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<tr>
<td>Australia (AICS)</td>
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<td>Japan (ENCS)</td>
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<td>South Korea (KECI)</td>
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<td>Taiwan (TCSI)</td>
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<td>New Zealand (NZIoC)</td>
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<td>X</td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td></td>
<td></td>
<td>X</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).

<table>
<thead>
<tr>
<th>Hazardous Material Information System</th>
<th>NFPA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>H = 1 / F = 1 / R = 0</td>
</tr>
<tr>
<td>NFPA Rating</td>
<td>H = 1 / F = 1 / R = 0</td>
</tr>
</tbody>
</table>

**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) < 1 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) < 1 ppm
- 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

#### 15.4.3 State Right to Know Lists

Specific Listing(s) not required

Possible trace amounts of:

- Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%
- Ethylene Oxide (CAS# 75-21-8) < 1 ppm
- 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

### 16. SECTION 16: OTHER INFORMATION

Revision: **December 09, 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)**

- **H314**: Causes severe skin burns and eye damage.
- **H317**: May cause an allergic skin reaction.
- **H318**: Causes serious eye damage.
- **H341**: Suspected of causing genetic defects.
- **H360**: May damage fertility or the unborn child.

Revision: 4  Page: 5/6  Date: 09/12/2020
H370: Causes damage to organs: Thymus.
H372: Causes damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Hazard pictogram(s) and Hazard Symbol

![Hazard pictograms GHS06, GHS05, GHS08, GHS07]

Additional Information

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