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. Additive, Coatings
- **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**
- **Repr.**: 1B

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

  ![Warning Symbol]

- **Signal word(s)**: Warning
- **Hazard statement(s)**: H361: Suspected of damaging fertility or the unborn child.
- **Precautionary statement(s)**: 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 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>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

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.

Storage Temperature: Ambient
Storage Life: Stable under normal conditions.
Incompatible materials: Oxidizing agents
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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10.1 Reactivity</strong></td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td><strong>10.2 Chemical stability</strong></td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td><strong>10.3 Possibility of hazardous reactions</strong></td>
<td>Will not occur.</td>
</tr>
<tr>
<td><strong>10.4 Conditions to avoid</strong></td>
<td>None known.</td>
</tr>
<tr>
<td><strong>10.5 Incompatible materials</strong></td>
<td>Oxidizing agents.</td>
</tr>
<tr>
<td><strong>10.6 Hazardous Decomposition Product(s)</strong></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><strong>11.1 Information on toxicological effects</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute toxicity</strong></td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Low toxicity under normal conditions of handling and use.</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><strong>Effects and Symptoms</strong></td>
<td></td>
</tr>
<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>Suspected of damaging fertility or the unborn child.</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><strong>12.1 Toxicity</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>12.2 Persistence and degradability</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>12.3 Bioaccumulative potential</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>12.4 Mobility in soil</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>12.5 Results of PBT and VPVB assessment</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>12.6 Other adverse effects</strong></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><strong>13.1 Waste treatment methods</strong></td>
<td>Do not empty into drains; dispose of this material and its container in a safe way.</td>
</tr>
<tr>
<td><strong>13.2 Additional Information</strong></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><strong>14.1 DOT / TDG / Road/Rail (ADR/RID)</strong></td>
<td>Not classified as hazardous for road transport.</td>
</tr>
<tr>
<td><strong>14.2 Air (ICAO/IATA)</strong></td>
<td>Not classified as hazardous for rail transport.</td>
</tr>
<tr>
<td><strong>14.3 Sea (IMDG)</strong></td>
<td>Not classified as hazardous for air transport.</td>
</tr>
</tbody>
</table>

### 15. SECTION 15: REGULATORY INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15.1 EU regulations</strong></td>
<td></td>
</tr>
<tr>
<td>REACH Registration No.</td>
<td>Polymer exempt.</td>
</tr>
</tbody>
</table>
Candidate List of Substances of Very High Concern for Authorisation

Possible trace amounts of: (<0.1%)
- Octamethylcyclotetrasiloxane (CAS# 556-67-2)
- Decamethyloctasiloxane (CAS# 541-02-6)
- Dodecamethyloctahexasiloxane (CAS# 540-97-6)

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

- 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

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:
- Ethylene Oxide (CAS# 75-21-8) < 1 ppm
- 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

16. SECTION 16: OTHER INFORMATION

Revision: November 12, 2018
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.
H361: Suspected of damaging fertility or the unborn child.
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.
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

Additional Information

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Siltech Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Siltech Corp. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.