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

1.1 **Product identifier**
- **Product Name**: Silmer G-181
- **Product code**: 6971.5
- **Chemical Name**: Mixture
- **CAS No.**: 68083-19-2 / 68988-89-6

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 G-181
- **Symbol**: NONE
- **Signal word(s)**: NONE
- **Hazard statement(s)**: P262: Do not get in eyes, on skin, or on clothing.
- **Precautionary statement(s)**: None known

2.3 **Other hazards**
- **None known**

3. **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 **Mixtures**

<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
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
Store in a tightly closed container.

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.

Thermal hazards  None.

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**: Liquid
- **Odour**: Faint
- **Odour Threshold**: 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)**: 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)**: 50,000 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**
  - **Skin corrosion/irritation**: Not classified
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
Polymer exempt.

REACH Registration No.
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)

15.2 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>DSL ✓</td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>✓</td>
<td></td>
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<td>Australia (AICS)</td>
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<tr>
<td>China (IECSO)</td>
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<td>Japan (ENCS)</td>
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<td>Taiwan (TCSI)</td>
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<td>New Zealand (NZIoC)</td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✓</td>
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</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) 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
None known.

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER
None known.

15.4.3 State Right to Know Lists
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%

16. SECTION 16: OTHER INFORMATION
Revision: February 03, 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)
P262: Do not get in eyes, on skin, or on clothing.

Hazard pictogram(s) and Hazard Symbol
NONE

Additional Information

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