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

1.1 **Product identifier**
- **Product Name**: Silmer SH J0
- **Product code**: 5188.42
- **Chemical Name**: Siloxanes and silicones, methyl 3-mercaptopropyl
- **CAS No.**: 102783-03-9

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: intermediate use
- **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 SH J0
- **Symbol**: NONE
- **Signal word(s)**: NONE
- **Hazard statement(s)**: NONE
- **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>
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</thead>
<tbody>
<tr>
<td>Contains no hazardous ingredients</td>
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</tbody>
</table>

4. **SECTION 4: FIRST AID MEASURES**

4.1 **Description of first aid measures**
- **Inhalation**: Remove person to fresh air and keep comfortable for breathing.
- **Skin Contact**: Rinse skin with water/shower.
- **Eye Contact**: If substance has got into the eyes, immediately wash out with
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

Industrial use

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 Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.

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** Colourless to yellowish liquid.
- **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)** 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)** 400 cps
- **Explosive properties** Not applicable.
- **Oxidising properties** Not applicable.

10. **SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity Not available.
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** Ingestion may cause irritation of the gastrointestinal tract.
  - **Inhalation** Avoid inhalation of mists.
  - **Skin Contact** May cause irritation
  - **Eye Contact** May cause irritation

**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
Candidate List of Substances of Very High Concern for Authorisation
None known.

15.2 International Inventories

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<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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<tr>
<td>United States (TSCA)</td>
<td>X</td>
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<tr>
<td>Canada (DSL/NDSL)</td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
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<tr>
<td>Philippines (PICCS)</td>
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</table>

15.3 National regulations

United States (TSCA)
This product is for R&D purposes only.

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
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
Possible trace amounts of:
Methanol (CAS# 67-56-1) <0.05%

16. SECTION 16: OTHER INFORMATION
Revision: February 11, 2020

LEGEND
LTET  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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