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

1.1 **Product identifier**
- **Product Name**: Silmer VQ9 XYL
- **Product code**: 5598.009
- **Chemical Name**: Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified
- **CAS No.**: 68988-89-6 / 1330-20-7 / 100-41-4

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: intermediate use, Additive
- **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**
- Flam. Liq. 3
- Acute Tox. 4 – Dermal
- Acute Tox. 4 - Inhalation
- Skin Irrit. 2
- STOT RE 2 - Hearing deterioration
- Asp. Tox. 1

2.2 **Label elements**
- **Product Name**: Silmer VQ9 XYL
- **Symbol**
- **Signal word(s)**: DANGER
- **Hazard statement(s)**:
  - H226: Flammable liquid and vapour.
  - H304: May be fatal if swallowed and enters airways.
  - H312: Harmful in contact with skin.
  - H315: Causes skin irritation.
  - H332: Harmful if inhaled.
  - H373: May cause damage to organs through prolonged or repeated exposure.
- **Precautionary statement(s)**:
  - P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P240: Ground/bond container and receiving equipment.
  - P241: Use explosion-proof electrical/ventilating/lighting/equipment.
2.3 Other hazards

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>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Dimethylbenzene</td>
<td>25-35</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>GHS02, GHS07 H226, H312, H315, H332</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>EB</td>
<td>5-10</td>
<td>100-41-4</td>
<td>202-849-4</td>
<td>GHS02, GHS08, GHS07 H225, H332, H304, H373</td>
</tr>
</tbody>
</table>

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation develops and persists, get medical attention.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. May cause irritation to the respiratory system. Hearing deterioration.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.
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
Do not use water jet.

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.

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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any incompatibilities
Store in a tightly closed container. Keep away from heat and light.

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>
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<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>100</td>
<td>435</td>
<td>150</td>
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<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>100</td>
<td>435</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 when using the material and follow the principles of good occupational hygiene to control personal exposures.

8.2.2 Personal protection equipment

Eye/face protection
Eye protection with side protection (EN 166)

Skin protection (Hand protection/ Other)
Wear impervious gloves (EN374).
Nitrile rubber, Polyethylene, PVC
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: Not available.
- Flash point (PMCC): 34°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 (20°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): 20 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: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials: Oxidizing agents, Acids, Alkaline
10.6 Hazardous Decomposition Product(s): Carbon oxides may be formed.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Acute toxicity
  - Ingestion: Harmful if swallowed.
  - Inhalation: Harmful by inhalation.
  - Skin Contact: Causes skin irritation.
  - Eye Contact: May cause eye irritation.

- Effects and Symptoms
  - skin corrosion/irritation: Causes skin irritation.
  - Serious eye damage/irritation: May cause eye irritation.
  - Respiratory or skin sensitization: May cause respiratory irritation.
  - Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT - single exposure: Not classified
STOT - repeated exposure: Repeated and/or prolonged contact may cause: Hearing deterioration
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 UN number: 1993
14.2 UN proper shipping name: FLAMMABLE LIQUIDS N.O.S. (Xylene Solution)
14.3 Class: 3 Packing group III

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
   REACH Registration No.: Polymer exempt / Not available
   Candidate List of Substances of Very High Concern for Authorisation: None known.

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>
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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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<td>Australia (AICS)</td>
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<tr>
<td>Philippines (PICCS)</td>
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</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 = 2 / F = 3 / 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
Ethylbenzene (CAS# 100-41-4) 5 - 10%
Xylene (CAS# 1330-20-7) 25 - 35%
Ethylbenzene (CAS# 100-41-4) 5 - 10%

16. SECTION 16: OTHER INFORMATION

Revision: December 18, 2018

LEGEND
LTLE 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)
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H332: Harmful if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331: Do NOT induce vomiting.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P363: Wash contaminated clothing before reuse.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s) and Hazard Symbol
Additional Information

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