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

1.1 Product identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Silmer Q9 XYL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>7050.709</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Silicic acid, sodium salt, reaction products with chlorotrimethylsilane and iso-Pr alc</td>
</tr>
<tr>
<td>CAS No.</td>
<td>68988-56-7 / 1330-20-7 / 100-41-4</td>
</tr>
</tbody>
</table>

1.2 Recommended use of the chemical and restrictions on use

<table>
<thead>
<tr>
<th>Identified use(s)</th>
<th>intermediate use, Additive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>None known</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the Safety Data Sheet

<table>
<thead>
<tr>
<th>Company Identification</th>
<th>Siltech Corp</th>
</tr>
</thead>
<tbody>
<tr>
<td>225 Wicksteed Ave</td>
<td></td>
</tr>
<tr>
<td>Toronto, ON Canada M4H 1G5</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-416-424-4567</td>
</tr>
<tr>
<td>Fax</td>
<td>+1-416-424-3158</td>
</tr>
<tr>
<td>E-Mail (competent person)</td>
<td><a href="mailto:raj@siltech.com">raj@siltech.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Location</th>
<th>Siltech Corp</th>
</tr>
</thead>
<tbody>
<tr>
<td>3265 Wolfdale Road,</td>
<td></td>
</tr>
<tr>
<td>Mississauga ON Canada L5C 1V8</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-905-270-5534</td>
</tr>
<tr>
<td>Fax</td>
<td>+1-905-270-5816</td>
</tr>
</tbody>
</table>

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

| Flammable        | 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

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Silmer Q9 XYL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word(s)</th>
<th>DANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statement(s)</td>
<td>H226: Flammable liquid and vapour.</td>
</tr>
<tr>
<td></td>
<td>H304: May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td></td>
<td>H312: Harmful in contact with skin.</td>
</tr>
<tr>
<td></td>
<td>H315: Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H332: Harmful if inhaled.</td>
</tr>
<tr>
<td></td>
<td>H373: May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
</tbody>
</table>

| 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. |
Product: Silmer Q9 XYL

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>

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.

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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. Ambient Stable under normal conditions. 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>Xylene</td>
<td>1330-20-7</td>
<td>100</td>
<td>435</td>
<td>150</td>
<td></td>
<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

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Wear suitable protective clothing.

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
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)
1.07
Solubility(ies)
Insoluble in water.
Partition coefficient: n-octanol/water
Not available.
Auto-ignition temperature
Not available.
Decomposition Temperature
Not available.
Viscosity (25°C)
3 - 12 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
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>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
<td>✔</td>
<td>DSL ✔</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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China (IECSC)</td>
<td>✔</td>
<td></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></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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td>✔</td>
<td></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 = 2 / F = 3 / R = 0
NFPA Rating 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%
15.4.3 State Right to Know Lists
Xylene (CAS# 1330-20-7) 25 - 35%
Ethylbenzene (CAS# 100-41-4) 5 - 10%

16. SECTION 16: OTHER INFORMATION

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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)
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.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P313: If skin irritation occurs: Get medical advice/attention.
P331: Do NOT induce vomiting.
P332+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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

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Additional Information

Disclaimers

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