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

1.1 Product identifier
Product Name
Silmer VQ 2012
Product code
5598.50
Chemical Name
Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]- modified
CAS No.
68988-89-6

1.2 Recommended use of the chemical and restrictions on use
Identified use(s)
PC32 Polymer preparations and compounds
PC19 Intermediate
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
Flammable Liquid Category 4

2.2 Label elements
Product Name
Silmer VQ 2012
Symbol
NONE
Signal word(s)
Warning
Hazard statement(s)
H227: Combustible liquid.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

2.3 Other hazards
May form explosive mixtures with air.

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>Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified</td>
<td>VQ Resin</td>
<td>100</td>
<td>68988-89-6</td>
<td>None assigned</td>
<td>H227</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. Eliminate sources of ignition.

6.2 Environmental precautions
   Avoid release to the environment.

6.3 Methods and material for containment and cleanup
   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. Ground/bond container and receiving equipment.

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

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
8.1.2 Biological limit value
None assigned

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
Colourless liquid.

Odour
Faint.

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)
61°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) 1.00

Solubility(ies)
Insoluble in water.

Partition coefficient: n-octanol/water
Not available.

Auto-ignition temperature
Not available.

Decomposition Temperature
Not available.

Viscosity (25°C)
90 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.
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

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Low toxicity under normal conditions of handling and use.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Low toxicity under normal conditions of handling and use.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>None anticipated</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>None anticipated</td>
</tr>
</tbody>
</table>

Effects and Symptoms

- skin corrosion/irritation: Not classified
- Serious eye damage/irritation: Not classified
- Respiratory or skin sensitization: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified
- Reproductive toxicity: Not classified
- STOT - single exposure: Not classified
- STOT - repeated exposure: Not classified
- 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 Air (ICAO/IATA): Not classified as hazardous for air transport.
14.2 Sea (IMDG): Not classified as hazardous for marine transport.
14.3 TDG / Road/Rail (ADR/RID): Not classified as hazardous for transport.

14.4 DOT / CFR (US Department of Transportation)

<table>
<thead>
<tr>
<th>UN number</th>
<th>DOT Proper Shipping Name</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>1993</td>
<td>Combustible liquid, N.O.S. (Silicone Resin)</td>
<td>3 Packing group III</td>
</tr>
</tbody>
</table>

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

Candidate List of Substances of Very High Concern for Authorisation: None.
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></td>
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</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td></td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>✔</td>
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<tr>
<td>China (IECSC)</td>
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<td>Japan (ENCS)</td>
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<td>South Korea (KECI)</td>
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<tr>
<td>Taiwan (TCSI)</td>
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<tr>
<td>New Zealand (NZIoC)</td>
<td>✔</td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✔</td>
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</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)

NFPA Rating

H = 1 / F = 2 / 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

None known.

16. SECTION 16: OTHER INFORMATION

Revision: January 02, 2019

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)

H227: Combustible liquid.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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

NONE
Additional Information

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