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

1.1 **Product identifier**
- **Product Name**: Silmer VQ 20
- **Product code**: 5598.02
- **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 20
- **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.

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>
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<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 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. 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
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.

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)
1.028
Solubility(ies)
Insoluble in water.
Partition coefficient: n-octanol/water
Not available.
Auto-ignition temperature
Not available.
Decomposition Temperature
Not available.
Viscosity (25°C)
1200 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

**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
- **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)
- **UN number**: 1993
- **DOT Proper Shipping Name**: Combustible liquid, N.O.S. (Silicone Resin)
- **Class**: 3 Packing group III

### 15. SECTION 15: REGULATORY INFORMATION

#### 15.1 EU regulations
- **REACH Registration No.**: Polymer exempt.
- **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>
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<tbody>
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</tr>
<tr>
<td>Canada (DSL/NDSL)</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)  
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

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)

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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