



# SAFETY DATA SHEET

WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015

## 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) marsha.carter@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. **CANUTEC - 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.  
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

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified	VQ Resin	100	68988-89-6	None assigned	H227

#### 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 | Gently wash with plenty of soap and water.   |
| 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** 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 CO <sub>2</sub> 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.
- 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**
- |                        |  |
|------------------------|--|
| Storage Temperature    | Store in a tightly closed container. Keep away from flames and hot surfaces. |
| Storage Life           | Ambient  |
| Incompatible materials | Stable under normal conditions.  |
- 7.3 Specific end use(s)** Oxidizing agents  
Industrial use

#### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned						

<b>8.1.2 Biological limit value</b>	Not established
<b>8.1.3 PNECs and DNELs</b>	Not established
<b>8.2 Exposure controls</b>	
<b>8.2.1 Appropriate engineering controls</b>	Provide adequate ventilation.
<b>8.2.2 Personal protection equipment</b>	
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	In case of inadequate ventilation wear respiratory protection.
	
Thermal hazards	Combustible liquid
<b>8.2.3 Environmental Exposure Controls</b>	Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
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

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Will not occur.
<b>10.4 Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>10.5 Incompatible materials</b>	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)	(Applicable only to containers > 119 gallons or 450L)
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**

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)	Active✓			
Canada (DSL/NDSL)	DSL✓			
European Union (EINECS/ELINCS)			✓	
Australia (AICS)	✓			
China (IECSC)	✓			
Japan (ENCS)			✓	
South Korea (KECI)	✓			
Taiwan (TCSI)	✓			
New Zealand (NZIoC)	✓			
Philippines (PICCS)	✓			

**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**  
**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: **May 08, 2023**

**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.

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P501: Dispose of contents/container to: Observe Local Regulations.

**Hazard pictogram(s) and Hazard Symbol**

**NONE**

**Additional Information**

**Disclaimers**

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