




# 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

<b>1.1 Product identifier</b>	
Product Name	<b>Silquat 3150</b>
Product code	4450
Chemical Name	Mixture
CAS No.	588707-20-4 / 68604-75-1 / 61790-41-8 / 67-63-0 / 67-56-1
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
Identified use(s)	Coatings
Uses advised against	None known
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
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
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	<b>CANUTECH - TELEPHONE: EMERGENCY USE ONLY +1-613-996-6666</b>

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
	<b>Flam. Liq. 2</b> <b>Eye Irrit. 2</b> <b>Acute Tox. 3 - Oral</b> <b>Acute Tox. 3 - Inhalation</b> <b>Acute Tox. 3 - Dermal</b> <b>STOT SE 1 - Optic nerve</b> <b>STOT SE 3 - Inhalation</b>
<b>2.2 Label elements</b>	
Product Name	<b>Silquat 3150</b>
Symbol	
Signal word(s)	<b>DANGER</b>
Hazard statement(s)	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled H336: May cause drowsiness or dizziness. H370: Causes damage to organs: Optic nerve
Precautionary statement(s)	P210: Keep away from heat, hot surfaces, sparks, open equipment, flames and other ignition sources. No smoking. P240: Ground/bond container and receiving equipment, flames and other ignition sources. No smoking. 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.  
P270: Do not eat, drink or smoke when using this product.  
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.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P311: Call a POISON CENTER/doctor.  
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.  
None known.

2.3 Other hazards

**3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 Mixtures

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Isopropyl alcohol	2-propanol	20 - 30	67-63-0	200-661-7	GHS02, GHS07 H225, H319, H336
methyl alcohol	methanol	5 - 15	67-56-1	200-659-6	GHS02, GHS08, GHS06 H225, H301, H311, H331, H370

**4. SECTION 4: FIRST AID MEASURES**



4.1 Description of first aid measures

Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention immediately if inhaled.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
4.2 Most important symptoms and effects, both acute and delayed	Causes serious eye irritation. May disturb the central nervous system.
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 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. Wear suitable respiratory protection. Remove all ignition sources.
- 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.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a tightly closed container. Keep away from flames and hot surfaces.
- 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**

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
2-propanol	67-63-0	400				
Methanol	67-56-1	200		250		skin

- 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 if fumes or vapours are likely to be evolved to ensure that the defined occupational exposure limit is not exceeded.
- 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 protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended).



Respiratory protection

Use NIOSH approved respiratory protection.



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	Coloured liquid (Amber)
Odour	Characteristic odour.
Odour Threshold	Not available.
pH	3.5 – 6.5
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point (PMCC)	13°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)	0.95
Solubility(ies)	Dispersible in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

## 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	May form explosive mixtures with air.
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	Toxic by inhalation, in contact with skin and if swallowed.
Inhalation	Toxic by inhalation, in contact with skin and if swallowed.
Skin Contact	Toxic by inhalation, in contact with skin and if swallowed.
Eye Contact	Causes serious eye irritation.

#### Effects and Symptoms

skin corrosion/irritation	May cause irritation
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause damage to the central nervous system.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified

<b>Reproductive toxicity</b>	Not classified
<b>STOT - single exposure</b>	Vapours may cause drowsiness and dizziness. Can cause damage to the eyes.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified
<b>Delayed and chronic effects</b>	Not available
<b>Calculated acute toxicity estimate (ATE)</b>	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Not available.
<b>12.2 Persistence and degradability</b>	Not available.
<b>12.3 Bioaccumulative potential</b>	Not available.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and VPVB assessment</b>	Not available.
<b>12.6 Other adverse effects</b>	None known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Do not empty into drains; dispose of this material and its container in a safe way.
<b>13.2 Additional Information</b>	Dispose of contents in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1 UN number</b>	1993
<b>14.2 UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Isopropanol Solution)
<b>14.3 Class</b>	3 Packing group II

## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 EU regulations

REACH Registration No.	Not available.
Candidate List of Substances of Very High Concern for Authorisation	Possible trace amounts of: < 0.1% Octamethylcyclotetrasiloxane (CAS# 556-67-2) Decamethylcyclopentasiloxane (CAS# 541-02-6) Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

### 15.2 International Inventories

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

### 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
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HMIS (Hazardous Material Information System) (Inventory Rules).  
NFPA Rating **H = 3 / F = 3 / R = 0**  
**H = 3 / 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 **Methanol (CAS# 67-56-1) 5 – 15%**
- 15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER None known.
- 15.4.3 State Right to Know Lists **Isopropanol (CAS# 67-63-0) 20 - 30%**  
**Methanol (CAS# 67-56-1) 5 – 15%**  
**Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%**

## 16. SECTION 16: OTHER INFORMATION

Revision: **December 18, 2020**

### 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)

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P403+P235: Store in a well-ventilated place. Keep cool.

### Hazard pictogram(s) and Hazard Symbol



### **Additional Information**

#### **Disclaimers**

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