



# 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 1105B</b>
Product code	4405
Chemical Name	Mixture
CAS No.	Mixture
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
Identified use(s)	Additive
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>Skin Irrit. 2</b> <b>Eye Dam. 1</b> <b>Acute Tox. 2 – Oral</b> <b>Acute Tox. 2 - Inhalation</b> <b>Acute Tox. 3 - Dermal</b> <b>STOT SE 2 – Eyes</b> <b>STOT SE 3 - Drowsiness</b> <b>Aquatic Chronic 2</b>
<b>2.2 Label elements</b>	
Product Name	<b>Siltquat 1105B</b>
Symbol	
Signal word(s)	<b>DANGER</b>
Hazard statement(s)	H225: Highly flammable liquid and vapour. H315: Causes skin irritation. H318: Causes serious eye damage. H300: Fatal if swallowed. H311: Toxic in contact with skin. H330: Fatal if inhaled. H336: May cause drowsiness or dizziness. H371: May cause damage to organs. Eyes H411: Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P210: Keep away from heat, hot surfaces, sparks, open 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.  
P264: Wash hands and exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: Wear respiratory 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.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a POISON CENTER/doctor if you feel unwell.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents/container to: Observe Local Regulations.  
May form explosive mixtures with air.

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	Isopropanol	10 - 20	67-63-0	200-661-7	GHS02, GHS07 H225, H319, H336
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane-quaternized	coco/soya fatty acid quaternised	15 - 18	68604-75-1	614-644-0	GHS05, GHS07 H302, H315, H318, H412
Amides, coco, N,N-bis(hydroxyethyl)	Cocamide DEA	11 - 15	68603-42-9	271-657-0	GHS05 H315, H318
Methanol	Methyl alcohol	7 - 10	67-56-1	200-659-6	GHS02, GHS08, GHS06 H225, H301, H311, H331, H370
2-methylpentane-2,4-diol	Hexylene Glycol	2 - 5	107-41-5	203-489-0	GHS07 H315, H319
2,2'-iminodiethanol	Diethanol-amine	0.4 - 1	111-42-2	203-868-0	GHS08, GHS05, GHS07 H302, H315, H318, H373
2-chloroethanol	ECH	< 2	107-07-3	203-459-7	GHS02, GHS09, GHS05, GHS06 H226, H290, H300, H310, H318, H330, H411

## 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 substance has got into the eyes, immediately wash out with plenty of water for several minutes. Get medical attention if eye irritation develops or persists.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye damage. May cause drowsiness.

### 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

Storage Temperature

Ambient

Storage Life

Stable under normal conditions.

Incompatible materials

Oxidizing agents, Acids, Alkaline, Peroxides

### 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
Isopropyl alcohol	67-63-0	200	492	400	983	
Methanol	67-56-1	200	260	250		
Hexylene Glycol	107-41-5	25	125			
Diethanolamine	111-42-2		10			
2-Chloroethanol	107-07-3	1	3	1	3	

**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 (Blue)
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)	12°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)	0.94
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. Acids. Alkaline. Peroxides. Rubber, plastic, metal, Halogens
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	
	<b>Acute toxicity</b>	
	Ingestion	Fatal if swallowed.
	Inhalation	Fatal if inhaled.
	Skin Contact	Toxic by inhalation and in contact with skin.
	Eye Contact	Causes serious eye damage.
	<b>Effects and Symptoms</b>	
	<b>skin corrosion/irritation</b>	Causes skin irritation.
	<b>Serious eye damage/irritation</b>	Causes serious eye damage.
	<b>Respiratory or skin sensitization</b>	Fatal if inhaled.
	<b>Germ cell mutagenicity</b>	Not classified
	<b>Carcinogenicity</b>	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

12.1	Toxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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	1992
14.2	UN proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S. (Methanol Solution)
14.3	Class	3(6.1) Packing group II

## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 EU regulations

Candidate List of Substances of Very High Concern for Authorisation

Possible trace amounts of: (<0.05%)  
 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 (Inventory Rules).

HMIS (Hazardous Material Information System)  
 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): 7 – 10%**

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

**Diethanolamine (CAS# 111-42-2): 0.4 – 1.0%**

15.4.3 State Right to Know Lists

**Isopropanol (CAS# 67-63-0): 10 – 20%**  
**Methanol (CAS# 67-56-1): 7 – 10%**  
**Hexylene Glycol (CAS# 107-41-5): 2 -5%**  
**2-Chloroethanol (CAS# 107-07-3): <2%**  
**Diethanolamine (CAS# 111-42-2): 0.4 – 1.0%**

## 16. SECTION 16: OTHER INFORMATION

Revision: December 06, 2018

### 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)**

H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
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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.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: Wear respiratory protection.

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



**Additional Information**

**Disclaimers**

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