




# 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 A0</b>
Product code	3670
Chemical Name	1-Propanaminium, N,N-diethyl-2-hydroxy-N-methyl-3-[3-[1,3,3,3-trimethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-,chloride (1:1)
CAS No.	1538603-86-9 / 107-41-5
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
Identified use(s)	Surface active agent PC39 Cosmetics, personal care products
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</b> <b>+1-613-996-6666</b>

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
	<b>Skin Irrit. 2</b> <b>Eye Irrit. 2</b>
<b>2.2 Label elements</b>	
Product Name	<b>Silquat A0</b>
Symbol	
Signal word(s)	Warning
Hazard statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation.
Precautionary statement(s)	P264: Wash hands and exposed skin thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P501: Dispose of contents/container to: Observe Local Regulations.

2.3 Other hazards None known

### 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)
1-Propanaminium, N,N-diethyl-2-hydroxy-N-methyl-3-[3-[1,3,3,3-trimethyl-1-[(trimethylsilyloxy]-1-disiloxany]propoxy]-,chloride (1:1)	n/a	50 - 70	1538603-86-9	806-550-5	GHS07: H315, H319
2-methylpentane-2,4-diol	Hexylene Glycol	30 - 50	107-41-5	203-489-0	GHS07: H315, H319

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation  
Skin Contact

Unlikely to be required but if necessary treat symptomatically. Remove contaminated clothing immediately and wash affected skin with soap and water. Obtain medical attention if ill effects occur.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Obtain medical attention if ill effects occur.

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

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.

- 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.
- 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
Hexylene Glycol	107-41-5	25 ppm				

- 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 neoprene or nitrile gloves.
- Respiratory protection  Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.
- 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 (Yellow)  
 Odour Perceptible odour.  
 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)	98°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	7 Pa @ 20°C
Vapour density	Not available.
Relative density / Specific Gravity (25°C)	1.00
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	2.68 ±0.85 @ 21°C
Auto-ignition temperature	275°C
Decomposition Temperature	Not available.
Viscosity (25°C)	250 - 450 cps
Explosive properties	Negative.
Oxidising properties	Negative.

## 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>	None known.
<b>10.5 Incompatible materials</b>	Oxidizing agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	
Ingestion	Hexylene Glycol [LD50 (oral,rat) mg/kg: 3700]
Inhalation	High concentrations of vapour may be irritant to the respiratory tract.
Skin Contact	May cause irritation
Eye Contact	May cause irritation
<b>Effects and Symptoms</b>	
<b>skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes eye irritation.
<b>Respiratory or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT - single exposure</b>	Not classified
<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>	The product is not biodegradable.
<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.
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13.2 Additional Information

Dispose of contents in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

- 14.1 DOT / TDG / Road/Rail (ADR/RID) Not classified as hazardous for road transport.  
Not classified as hazardous for rail transport.
- 14.2 Air (ICAO/IATA) Not classified as hazardous for air transport.
- 14.3 Sea (IMDG) Not classified as hazardous for marine transport.

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. 01-2120787461-48-0000 / 01-2119539582-35-xxxx

Candidate List of Substances of Very High Concern for Authorisation Possible trace amounts of: (<0.005%)  
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)		X		
Canada (DSL/NDSL)		X		
European Union (EINECS/ELINCS)				X
Australia (AICS)		X		
China (IECSC)		X		
Japan (ENCS)		X		
South Korea (KECI)		X		
Taiwan (TCSI)		X		
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). **Personal care exempt**

HMIS (Hazardous Material Information System) **H = 2 / F = 1 / R = 0**  
NFPA Rating **H = 2 / F = 1 / 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 **Hexylene glycol (CAS#107-41-5) : 30 - 50%**

16. SECTION 16: OTHER INFORMATION

Revision: November 07, 2018

LEGEND

LTEL Long Term Exposure Limit

Product: **Silquat A0**

SDS #: **3670**

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

**References:**

**Hazard statement(s) and Precautionary statement(s)**

H315: Causes skin irritation.

H319: Causes serious eye irritation.

P264: Wash hands and exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

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



**GHS07**

**Training advice:**

**Additional Information**

**Disclaimers**

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