




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 **Silquat 4016**
Product code 4440.19
Chemical Name Mixture
CAS No. Mixture
Alternative names (INCI) Water, Dimethicone-PG Diethylammonium Chloride, Centrimonium Chloride, and 1,3-propanediol
- 1.2 Recommended use of the chemical and restrictions on use**
Identified use(s) PC39 Cosmetics, personal care products
Additive
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**
Skin Irrit. 2
Eye Dam. 1
- 2.2 Label elements**
Product Name **Silquat 4016**
Symbol 
- Signal word(s) **DANGER**
Hazard statement(s) H315: Causes skin irritation.
H318: Causes serious eye damage.
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.
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.
P310: Immediately call a POISON CENTRE/doctor.

P362: Take off contaminated clothing and wash before reuse.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
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)
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Cetrimonium chloride	5 - 15	112-02-7	203-928-6	GHS05, GHS07, GHS09 H302, H315, H318, H400
1,2-Octanediol	Caprylyl Glycol	0.7	1117-86-8	214-254-7	GHS07 H319
1,2-Propanediol, 3-(2-ethylhexyloxy)	Ethylhexylglycerin	0.3	70445-33-9	408-080-2	GHS05 H318, H412

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact

Remove persons affected by vapour to fresh air.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention.

Eye Contact

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate medical attention.

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 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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
None known						

- 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 protective clothing and gloves: (120 min break thru time)
- Respiratory protection  In case of inadequate ventilation wear 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 Colourless to yellowish liquid.
 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)	>100°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)	Not available.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	150 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	None known.
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	May be harmful if swallowed.
Inhalation	Low toxicity under normal conditions of handling and use.
Skin Contact	Causes skin irritation.
Eye Contact	Causes serious eye damage.
Effects and Symptoms	
skin corrosion/irritation	Repeated and/or prolonged skin contact may cause irritation.
Serious eye damage/irritation	Causes serious eye damage.
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.
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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.

Contains one or more components that is not REACH registered.

Candidate List of Substances of Very High Concern for Authorisation

Possible trace amounts of:
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01%
Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.01%
Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.01%

Preservative:

Caprylyl Glycol (CAS# 1117-86-8) 0.7%
Ethylhexylglycerin (CAS# 70445-33-9) 0.3%

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)		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 = 1 / F = 1 / R = 0
H = 1 / 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

Possible trace amounts of:
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01%

16. SECTION 16: OTHER INFORMATION

Revision: September 14, 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)

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Hazard pictogram(s) and Hazard Symbol



Additional Information

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