




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	SilPlex J2-S
Product code	6041
Chemical Name	Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono (hydrogen succinate)
CAS No.	280569-78-0 / 107-41-5
Alternative names (INCI)	Silicone Quaternium-20
1.2 Recommended use of the chemical and restrictions on use	
Identified use(s)	PC39 Cosmetics, personal care products
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)	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
1.4 Emergency telephone number	
Emergency Phone No.	CANUTECH - 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 Irrit. 2
2.2 Label elements	
Product Name	SilPlex J2-S
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.
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)
2-methylpentane-2,4-diol	Hexylene Glycol	15 - 25	107-41-5	203-489-0	GHS07: H315, H319

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	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
-----------------------------------	---




- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature: chemicals are applicable.
 Storage Life: Store in a tightly closed container.
 Incompatible materials: Ambient
 Stable under normal conditions.
 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 assigned						

- 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 suitable gloves if prolonged skin contact is likely.
 Nitrile rubber, Neoprene, Rubber
- Respiratory protection

 Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
- 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	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	198°C @ 760mmHg
Flash point (PMCC)	102°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)	1.04
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.

Decomposition Temperature	Not available.
Viscosity (25°C)	400 - 1000 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	May be harmful if swallowed.
Ingestion	Low toxicity under normal conditions of handling and use.
Inhalation	Mist may cause irritation.
Skin Contact	May cause irritation
Eye Contact	May cause irritation
Effects and Symptoms	
skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes eye irritation.
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 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.

Polymer exempt.

Candidate List of Substances of Very High Concern for Authorisation

Possible trace amounts of: < 0.01%

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)			✓	
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)
NFPA Rating

H = 2 / F = 1 / R = 0

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

Specific Listing(s) not required

Possible trace amounts of:

Ethylene Oxide (CAS# 75-21-8) < 1 ppm

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

Specific Listing(s) not required

Possible trace amounts of:

Ethylene Oxide (CAS# 75-21-8) < 1 ppm

1,4-Dioxane (CAS# 123-91-1) < 1 ppm

Hexylene glycol (CAS#107-41-5) : 15 - 25%

Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 100 ppm

Ethylene Oxide (CAS# 75-21-8) < 1ppm

1,4-Dioxane (CAS# 123-91-1) < 1 ppm

15.4.3 State Right to Know Lists

16. SECTION 16: OTHER INFORMATION

Revision: **September 27, 2019**

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)

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

Additional Information

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Siltech Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Siltech Corp. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.