



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. 3**
- 2.2 Label elements**
Product Name **SilPlex J2-S**
Symbol NONE
Signal word(s) **Warning**
Hazard statement(s) H316: Causes mild skin irritation.
Precautionary statement(s) P332+P313: If skin irritation occurs: Get medical advice/attention.
- 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)
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

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|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | Treat symptomatically. |

5. SECTION 5: FIRE-FIGHTING MEASURES

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|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 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

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|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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
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 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

Ingestion

May be harmful if swallowed.

Inhalation

Low toxicity under normal conditions of handling and use.

Mist may cause irritation.

Skin Contact May cause irritation
Eye Contact May cause irritation

Effects and Symptoms
skin corrosion/irritation Causes mild skin irritation.
Serious eye damage/irritation Not classified.
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:
 Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01%
 Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.01%
 Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.01%
 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

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)

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

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

15.4.3 State Right to Know Lists

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

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

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

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

16. SECTION 16: OTHER INFORMATION

Revision: April 28, 2022

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)

H316: Causes mild skin irritation.

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

Hazard pictogram(s) and Hazard Symbol

NONE

Additional Information

Disclaimers

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