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

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
- **Address**: 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

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**

    ![Warning Symbol]

    - **Signal word(s)**: Warning
    - **Hazard statement(s)**: H315: Causes skin irritation. H319: Causes serious eye irritation.
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>Synonym(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Hazard pictogram(s) and Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methylpentane-2,4-diol</td>
<td>Hexylene Glycol</td>
<td>15 - 25</td>
<td>107-41-5</td>
<td>203-489-0</td>
<td>GHS07: H315, H319</td>
</tr>
</tbody>
</table>

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. See Section: 7 & 8.

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**: 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**

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>None assigned</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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.

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

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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<tbody>
<tr>
<td>United States (TSCA)</td>
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<td>X</td>
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</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<tr>
<td>Australia (AICS)</td>
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<tr>
<td>China (IECSO)</td>
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<td>Japan (ENCS)</td>
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<tr>
<td>Philippines (PICCS)</td>
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<td>X</td>
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</tbody>
</table>

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

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
1,4-Dioxane (CAS# 123-91-1) < 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) < 1 ppm
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
LT EL Long Term Exposure Limit
ST EL Short Term Exposure Limit
STOT Specific Target Organ Toxicity
DN EL Derived No Effect Level
PNE C 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

![Hazard Symbol]

GHS07

Additional Information

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