1. **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1 **Product identifier**
- **Product Name**: Siltech C-428
- **Product code**: 2096
- **Chemical Name**: Siloxanes and Silicones, C15-18-alkyl Me, di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated
- **CAS No.**: 142321-71-9

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: Additive, Coatings, Surface active agent
- **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**
- **Not classified**

2.2 **Label elements**
- **Product Name**: Siltech C-428
- **Symbol**: NONE
- **Signal word(s)**: NONE
- **Hazard statement(s)**: NONE
- **Precautionary statement(s)**: P262: Do not get in eyes, on skin, or on clothing.

2.3 **Other hazards**
- **None known**

3. **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 **Substances**

<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>
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</thead>
<tbody>
<tr>
<td>Contains no hazardous ingredients</td>
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</tr>
</tbody>
</table>
4. **SECTION 4: FIRST AID MEASURES**

4.1 Description of first aid measures

Inhalation: Unlikely to be required but if necessary treat symptomatically.

Skin Contact: Unlikely to be required but if necessary treat symptomatically.

Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for several minutes.

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

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.

Store in a tightly closed container.

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>
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<tbody>
<tr>
<td>None assigned</td>
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</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.

Respiratory protection
No personal respiratory protective equipment normally required.

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
>100°C @ 760mmHg

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)
0.96

Solubility(ies)
Insoluble in water.

Partition coefficient: n-octanol/water
Not available.

Auto-ignition temperature
Not available.

Decomposition Temperature
Not available.

Viscosity (25°C)
100 – 500 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    Low toxicity under normal conditions of handling and use.
Inhalation   Low toxicity under normal conditions of handling and use.
Skin Contact None anticipated
Eye Contact  None anticipated

Effects and Symptoms
Skin corrosion/irritation Not classified
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    Low toxicity to aquatic organisms.
12.2 Persistence and degradability    This substance is predicted to degrade in soil and water.
12.3 Bioaccumulative potential     The substance has low potential for bioaccumulation.
12.4 Mobility in soil     The substance is predicted to have low mobility in soil.
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 rail transport.
14.3 Sea (IMDG)                    Not classified as hazardous for air transport.
14.4 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%)
Octamethyldisiloxane (CAS# 556-67-2)
Decamethyldisiloxane   (CAS# 541-02-6)
Dodecamethyldisiloxane (CAS# 540-97-6)
15.3 International Inventories

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<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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<tr>
<td>Canada (DSL/NDSL)</td>
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<td>European Union (EINECS/ELINCS)</td>
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<td>Philippines (PICCS)</td>
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</table>

15.4 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

15.5 US State Regulations

15.5.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM  
Specific Listing(s) not required  
Possible trace amounts of:

15.5.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER  
Specific Listing(s) not required  
Possible trace amounts of:
- Propylene Oxide (CAS# 75-56-9) < 1 ppm
- 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

15.5.3 State Right to Know Lists  
Specific Listing(s) not required  
Possible trace amounts of:
- Propylene Oxide (CAS# 75-56-9) < 1 ppm
- 1,4-Dioxane (CAS# 123-91-1) < 1 ppm

16. SECTION 16: OTHER INFORMATION

Revision: October 04, 2018

LEGEND
LTEL  Long Term Exposure Limit
STEL  Short Term Exposure Limit
STOT  Specific Target Organ Toxicity
DNEL  Derived No Effect Level
PNDE  Predicted No Effect Concentration
PBT   Persistent, Bioaccumulative and Toxic
vPvB  very Persistent and very Bioaccumulative

References:

Hazard statement(s) and Precautionary statement(s)
P262: Do not get in eyes, on skin, or on clothing.

Hazard pictogram(s) and Hazard Symbol
NONE

Training advice:

Additional Information
Disclaimers

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