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

1.1 Product identifier
Product Name: Siltech CF-955
Product code: 0026
Chemical Name: 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
CAS No.: 541-02-6
Alternative names (INCI): Cyclopentasiloxane

1.2 Recommended use of the chemical and restrictions on use
Identified use(s):
- PC39 Cosmetics, personal care products
- PC9a Coatings and paints, thinners, paint removers
- PC24 Lubricants, greases, release products
- PC32 Polymer preparations and compounds
- PC19 Intermediate, Solvent, 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): 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
Flammable Liquid Category 4

2.2 Label elements
Product Name: Siltech CF-955
Symbol: NONE
Signal word(s): Warning
Hazard statement(s): H227: Combustible liquid.
Precautionary statement(s): P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

2.3 Other hazards
May form explosive mixtures with air.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Decamethylcyclopentasiloxane</td>
<td>D5</td>
<td>&gt; 99.0</td>
<td>541-02-6</td>
<td>208-764-9</td>
<td>H227</td>
</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.

7.2 Conditions for safe storage, including any incompatibilities
Store in a tightly closed container.

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>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Revision: 8 Page: 2/6 Date: 08/01/2019
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.

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 liquid.
Odour
Almost odourless.
Odour Threshold
Not available.
pH
Not available.
Melting Point/Freezing Point
-44°C
Initial boiling point and boiling range
211°C @ 760mmHg
Flash point (PMCC)
77°C
Evaporation rate
< 1
Flammability (solid, gas)
Not applicable.
Upper/lower flammability or explosive limits
Not available.
Vapour pressure (25°C)
0.015 kPa
Vapour density
Not available.
Relative density / Specific Gravity (25°C)
0.95
Solubility(ies)
Insoluble in water.
Partition coefficient: n-octanol/water
> 5
Auto-ignition temperature
392°C
Decomposition Temperature
Not available.
Viscosity (25°C)
4 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**
  - LD₅₀ (oral, rat) mg/kg: >24,134
- **Inhalation**
  - LC₅₀ (inhalation, rat) mg/l/4h: 8.67
- **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
- **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
- Identified as a vPvB according to REACH Annex XIII.

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 Air (ICAO/IATA)
- Not classified as hazardous for air transport.

14.2 Sea (IMDG)
- Not classified as hazardous for marine transport.

14.3 TDG / Road/Rail (ADR/RID)
- Not classified as hazardous for transport.

14.4 DOT / CFR (US Department of Transportation)
- **UN number**
  - 1993
- **DOT Proper Shipping Name**
  - Combustible liquid, N.O.S. (Decamethylpentasiloxane)
- **Class**
  - 3 Packing group III

**15. SECTION 15: REGULATORY INFORMATION**

15.1 EU regulations
- **REACH Registration No.**
  - 01-2119511367-43-xxxx

15.1 Candidate List of Substances of Very High Concern for Authorisation
- **vPvB: very Persistent and very Bioaccumulative**
  - Decamethylcyclopentasiloxane (CAS# 541-02-6) >99%
  - Possible trace amounts of: (<0.1%)
    - Octamethylcyclotetrasiloxane (CAS# 556-67-2)
    - 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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</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
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<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>Australia (AICS)</td>
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<td>China (IECSC)</td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✔</td>
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</tr>
</tbody>
</table>

15.3 National regulations

<table>
<thead>
<tr>
<th>HMIS (Hazardous Material Information System)</th>
<th>United States (TSCA)</th>
<th>TSCA Inventory Status: All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA Rating</td>
<td></td>
<td>H = 0 / F = 2 / R = 0</td>
</tr>
</tbody>
</table>

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

None known.

16. SECTION 16: OTHER INFORMATION

Revision: January 08, 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)

- H227: Combustible liquid.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P403+P235: Store in a well-ventilated place. Keep cool.
- P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s) and Hazard Symbol

NONE
Additional Information

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