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

1.1 Product identifier
Product Name  
Siltech C-216
Product code  
2853
Chemical Name  
Mixture
CAS No.  
189354-72-1 / 108-88-3

1.2 Recommended use of the chemical and restrictions on use
Identified use(s)  
An intermediate chemical product. Coatings, 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
Flam. Liq. 2
Skin Irrit. 2
Asp. Tox. 1
STOT SE 3 – Inhalation (Central nervous system)
Repr. 2
STOT RE 2 – Inhalation

2.2 Label elements
Product Name  
Siltech C-216
Symbol

Signal word(s)  
DANGER
Hazard statement(s)  
H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H361d: Suspected of damaging the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)  
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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>Toluene</td>
<td>Methyl benzene</td>
<td>&gt; 80</td>
<td>108-88-3</td>
<td>203-625-9</td>
<td>GHS02, GHS07, GHS08, H225, H304, H315, H336, H361d, H373</td>
</tr>
</tbody>
</table>

4. **SECTION 4: FIRST AID MEASURES**

4.1 **Description of first aid measures**

- **Inhalation**
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, obtain medical attention.
- **Skin Contact**
  - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation develops and persists, get medical attention.
- **Eye Contact**
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
- **Ingestion**
  - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

4.2 **Most important symptoms and effects, both acute and delayed**

Causes skin irritation. Causes damage to the central nervous system if inhaled. Hearing deterioration. May cause damage to organs through prolonged or repeated exposure by inhalation. No information available.

4.3 **Indication of any immediate medical attention and special treatment needed**

- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/lighting/equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe dust/fume/gas/mist/vapours/spray.
- P264: Wash hands and exposed skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P313: Do NOT induce vomiting.
- P361+P335: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P362: Take off contaminated clothing.
- P403+P235: Store in a well-ventilated place. Keep cool.
- P501: Dispose of contents/container to: Observe Local Regulations.

2.3 **Other hazards**

None known.
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

Do not use water jet.

5.2 **Special hazards arising from the substance or mixture**

No information available.

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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment.

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>LTE (8 hr TWA ppm)</th>
<th>LTE (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>20</td>
<td>300</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 when using the material and follow the principles of good occupational hygiene to control personal exposures.

8.2.2 **Personal protection equipment**

Eye/face protection: Eye protection with side protection (EN 166)

Skin protection (Hand protection/ Other): Wear impervious gloves (EN374). Nitrile rubber, Polyethylene, PVC
Wear suitable protective clothing.

Respiratory protection

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Thermal hazards

Environmentally Exposure Controls

Flammable liquid

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: 111°C
Flash point (PMCC): 6°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 (20°C): 0.87
Solubility(ies): Insoluble in water.
Partition coefficient: n-octanol/water: Not available.
Auto-ignition temperature: Not available.
Decomposition Temperature: Not available.
Viscosity (25°C): 3 - 5 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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Oxidizing agents, Acids, Alkaline

10.6 Hazardous Decomposition Product(s)

Carbon oxides may be formed.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Ingestion: Harmful if swallowed.
Inhalation: Harmful by inhalation.
Skin Contact: Causes skin irritation.
Eye Contact: May cause eye irritation.

Effects and Symptoms

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: May cause eye irritation.
Respiratory or skin sensitization: May cause respiratory irritation.
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity
Suspected of damaging the unborn child.

STOT - single exposure
Causes damage to the central nervous system if inhaled.

STOT - repeated exposure
Repeated and/or prolonged contact may cause: Hearing deterioration. Causes damage to organs if inhaled.

Aspiration hazard
Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

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 UN number
1294

14.2 UN proper shipping name
Toluene Solution

14.3 Class
3 Packing group II

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
REACH Registration No. Polymer exempt / Not available

Candidate List of Substances of Very High Concern for Authorisation
Possible trace amounts of: < 0.05%:
- Octamethylcyclotrisiloxane (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>
</tr>
</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China (IECSC)</td>
<td>✓</td>
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<td>Japan (ENCS)</td>
<td>✓</td>
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<tr>
<td>South Korea (KECI)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Taiwan (TCSI)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Zealand (NZIoC)</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</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).

HMIS /Hazardous Material Information System
NFPA Rating
H = 2 / F = 3 / 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
Toluene (CAS# 108-88-3) > 80%
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
Toluene (CAS# 108-88-3) > 80%
Specific Listing(s) not required
Possible trace amounts of:
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.05%
Ethylene Oxide (CAS# 75-21-8) < 1 ppm
1,4-Dioxane (CAS# 123-91-1) < 1 ppm

16. SECTION 16: OTHER INFORMATION

Revisio: January 03, 2020

LEGEND

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTEL</td>
<td>Long Term Exposure Limit</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
</tr>
<tr>
<td>STOT</td>
<td>Specific Target Organ Toxicity</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

Hazard statement(s) and Precautionary statement(s)
H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H361d: Suspected of damaging the unborn child.
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P242: Use only non-sparking tools.
P243: Take precautions measures against static charge.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
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P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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P310: Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P362: Take off contaminated clothing.
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**

![Hazard Pictograms]

**Additional Information**

**Disclaimers**

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