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

1.1 Product identifier
Product Name
Siltech C-176
Product code
2861
Chemical Name
Mixture
CAS No.
68937-55-3 / 1330-20-7 / 122-99-6 / 100-41-4

1.2 Recommended use of the chemical and restrictions on use
Identified use(s)
Coatings, intermediate use
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. 3
Acute Tox. 4 – Dermal
Acute Tox. 4 - Inhalation
Skin Irrit. 2
Eye Irrit. 2
STOT RE 2 - Hearing deterioration
Asp. Tox. 1

2.2 Label elements
Product Name
Siltech C-176
Symbol

Signal word(s)
DANGER
Hazard statement(s)
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof
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>
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</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Dimethylbenzene</td>
<td>50 - 60</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>GHS02, GHS07 H226, H312, H315, H332</td>
</tr>
<tr>
<td>2-Phenoxyethanol</td>
<td>Glycol Ether EPH</td>
<td>15 - 25</td>
<td>122-99-6</td>
<td>204-589-7</td>
<td>GHS07: H302, H319</td>
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<tr>
<td>Ethylbenzene</td>
<td>EB</td>
<td>5 - 15</td>
<td>100-41-4</td>
<td>202-849-4</td>
<td>GHS02, GHS08, GHS07 H225, H332, H304, 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

Causes skin irritation. May cause irritation to the respiratory...
4.3 Indication of any immediate medical attention and special treatment needed

System. Hearing deterioration.

No information available.

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

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

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container. Keep away from heat and light.

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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</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>100</td>
<td>435</td>
<td>150</td>
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<td>Note</td>
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<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>100</td>
<td>435</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 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: 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: Not available.
- Flash point (PMCC): 34°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): 0.93
- Solubility(ies): Insoluble in water.
- Partition coefficient: n-octanol/water: Not available.
- Auto-ignition temperature: Not available.
- Decomposition Temperature: Not available.
- Viscosity (25°C): Not available.
- 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  Not classified
STOT - single exposure  Not classified
STOT - repeated exposure  Repeated and/or prolonged contact may cause: Hearing deterioration
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 UN number  1993
14.2 UN proper shipping name  FLAMMABLE LIQUIDS N.O.S. (Xylene Solution)
14.3 Class  3 Packing group III

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations  Polymer exempt / Not available
REACH Registration No.
Candidate List of Substances of Very High Concern for Authorisation  Possible trace amounts of: (<0.005%):
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>
<td>✔️</td>
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<td></td>
<td></td>
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<tr>
<td>Canada (DSL/NDSL)</td>
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<td>✔️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<td>✔️</td>
<td></td>
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<tr>
<td>Australia (AICS)</td>
<td>✔️</td>
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<td></td>
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<tr>
<td>China (IECS)</td>
<td>✔️</td>
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<td>Japan (ENCS)</td>
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<td>South Korea (KECI)</td>
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<td>Taiwan (TCSI)</td>
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<td>New Zealand (NZIoC)</td>
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<td></td>
<td></td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✔️</td>
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</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
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
Ethylbenzene (CAS# 100-41-4) 5 - 15%
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
Xylene (CAS# 1330-20-7) 50 - 60%
Ethylbenzene (CAS# 100-41-4) 5 - 15%
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

16. SECTION 16: OTHER INFORMATION

Revised: December 18, 2018

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)
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P331: 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.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.
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**

GHS02 GHS08 GHS07

**Additional Information**

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