




# SAFETY DATA SHEET

WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015

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

<b>1.1 Product identifier</b>	
Product Name	<b>Siltech C-176</b>
Product code	2861
Chemical Name	Mixture
CAS No.	68937-55-3 / 1330-20-7 / 122-99-6 / 100-41-4
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
Identified use(s)	Coatings, intermediate use
Uses advised against	None known
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
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)	marsha.carter@siltech.com
Additional Location	Siltech Corp 3265 Wolfedale Road, Mississauga ON Canada L5C 1V8
Telephone	+1-905-270-5534
Fax	+1-905-270-5816
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	<b>CANUTEC - TELEPHONE: EMERGENCY USE ONLY</b> <b>+1-613-996-6666</b>

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
	<b>Flam. Liq. 3</b> <b>Acute Tox. 4 – Dermal</b> <b>Acute Tox. 4 - Inhalation</b> <b>Skin Irrit. 2</b> <b>Eye Irrit. 2</b> <b>STOT RE 2 - Hearing deterioration</b> <b>Asp. Tox. 1</b>
<b>2.2 Label elements</b>	
Product Name	<b>Siltech C-176</b>
Symbol	
Signal word(s)	<b>DANGER</b>
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

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.  
None known

**2.3 Other hazards**

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

**3.1 Mixtures**

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Xylene	Dimethylbenzene	50 - 60	1330-20-7	215-535-7	GHS02, GHS07 H226, H312, H315, H332
2-Phenoxyethanol	Glycol Ether EPH	15 - 25	122-99-6	204-589-7	GHS07: H302, H319
Ethylbenzene	EB	5 - 15	100-41-4	202-849-4	GHS02, GHS08, GHS07 H225, H332, H304, H373

**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** **acute and delayed** system. Hearing deterioration.  
**Indication of any immediate medical** No information available.  
**attention and special treatment needed**

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

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Xylene	1330-20-7	100	435	150		
Ethylbenzene	100-41-4	100	435			

- 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

Flammable Liquid

**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**

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Will not occur
<b>10.4 Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>10.5 Incompatible materials</b>	Oxidizing agents, Acids, Alkaline
<b>10.6 Hazardous Decomposition Product(s)</b>	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**

<b>skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	May cause eye irritation.
<b>Respiratory or skin sensitization</b>	May cause respiratory irritation.
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT - single exposure</b>	Not classified
<b>STOT - repeated exposure</b>	Repeated and/or prolonged contact may cause: Hearing deterioration
<b>Aspiration hazard</b>	Not classified
<b>Delayed and chronic effects</b>	Not available
<b>Calculated acute toxicity estimate (ATE)</b>	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Not available.
<b>12.2 Persistence and degradability</b>	Not available.
<b>12.3 Bioaccumulative potential</b>	Not available.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and VPVB assessment</b>	Not available.
<b>12.6 Other adverse effects</b>	None known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Do not empty into drains; dispose of this material and its container in a safe way.
<b>13.2 Additional Information</b>	Dispose of contents in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1 UN number</b>	1993
<b>14.2 UN proper shipping name</b>	FLAMMABLE LIQUIDS N.O.S. (Xylene Solution)
<b>14.3 Class</b>	3 Packing group III

## 15. SECTION 15: REGULATORY INFORMATION

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

Candidate List of Substances of Very High Concern for Authorisation	Possible trace amounts of: Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01% Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.1% Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.05% 1,4-Dioxane (CAS# 123-91-1) < 1 ppm
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### 15.2 International Inventories

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)	Active✓			
Canada (DSL/NDSL)	DSL✓			
European Union (EINECS/ELINCS)	✓		✓	
Australia (AICS)	✓			
China (IECSC)	✓			
Japan (ENCS)	✓			
South Korea (KECI)	✓			
Taiwan (TCSI)	✓			
New Zealand (NZIoC)	✓			
Philippines (PICCS)	✓			

### 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**  
**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:  
**Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.01%**  
**Ethylene Oxide (CAS# 75-21-8) < 1 ppm**  
**1,4-Dioxane (CAS# 123-91-1) < 1 ppm**

## 16. SECTION 16: OTHER INFORMATION

Revision: **April 19, 2023**

### 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)

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P363: Wash contaminated clothing before reuse.

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**Hazard pictogram(s) and Hazard Symbol**



**Additional Information**

**Disclaimers**

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