



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

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

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Decamethylcyclopentasiloxane	D5	> 99.0	541-02-6	208-764-9	H227

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.
- | | |
|------------------------|---------------------------------|
| 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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
None assigned						

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 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
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	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)	(Applicable only to containers > 119 gallons or 450L)
UN number	1993
DOT Proper Shipping Name	Combustible liquid, N.O.S. (Dodecamethylpentasiloxane)
Class	3 Packing group III

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No.	01-2119511367-43-xxxx
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

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)	✓			
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 = 0 / F = 2 / R = 0
H = 0 / F = 2 / 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

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

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Siltech Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Siltech Corp. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.