




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	Silmer H Di-10
Product code	7672.1
Chemical Name	Siloxanes and Silicones, di-Me, hydrogen-terminated
CAS No.	70900-21-9
1.2 Recommended use of the chemical and restrictions on use	
Identified use(s)	An intermediate chemical product. PC32 Polymer preparations and compounds
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 Repr. 2
2.2 Label elements	
Product Name	Silmer H Di-10
Symbol	
Signal word(s)	Warning
Hazard statement(s)	H227: Combustible liquid. H361f: Suspected of damaging fertility.
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. P280: Wear protective gloves/protective clothing/eye protection/face protection. P308+P313: IF exposed or concerned: Get medical advice/attention. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents/container to: Observe Local Regulations.
2.3 Other hazards	Some hydrogen gas may be released. Hydrogen is flammable and can 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)
Siloxanes and Silicones, di-Me, hydrogen-terminated	Polydimethylmethylhydrogen siloxane	> 97	70900-21-9	None	H227
Octamethylcyclotetra-siloxane	D4	0.1 – 0.5	556-67-2	209-136-7	GHS02, GHS08 H226, H361f, H410

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

In case of contact with liquid, thaw frosted parts with water, remove clothing carefully and wash with soap & water.

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

Treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

In case of fire: Use water spray, dry powder or carbon dioxide to extinguish. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media

Do not use dry chemical or foam.

5.2 Special hazards arising from the substance or mixture

Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde. Hydrogen may be formed. Vapour may create explosive atmosphere.

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. Eliminate sources of ignition.

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. 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. Reacts with moisture. Hydrogen may be formed.
- 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

 Combustible 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 liquid.
Odour	Almost odourless.
Odour Threshold	Not available.
pH	6.0 – 7.5 (10% in 70/20 IPA/DI water)
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point (PMCC)	78°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 (25°C)	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.

Decomposition Temperature	Not available.
Viscosity (25°C)	5 - 10 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. May decompose if heated above (°C):250
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. Water, Alcohols, Contact with acids and alkalis may form flammable gases. Hydrogen may be formed.
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	Low toxicity under normal conditions of handling and use.
Inhalation	Low toxicity under normal conditions of handling and use.
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	May cause long lasting harmful effects to aquatic life.
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 Air (ICAO/IATA)	VENTED PACKAGES ARE FORBIDDEN FOR AIR TRANSPORT.
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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. (Polydimethylhydrogensiloxane)
	Class	3 Packing group III

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. Polymer exempt.

Candidate List of Substances of Very High Concern for Authorisation

vPvB: very Persistent and very Bioaccumulative Octamethylcyclotetrasiloxane (CAS# 556-67-2)
PBT: Persistent, Bioaccumulative and Toxic Decamethylcyclopentasiloxane (CAS# 541-02-6) 1 - 2%
Dodecamethylcyclohexasiloxane (CAS# 540-97-6) 2 – 3%

15.2 International Inventories

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)	✓			
Canada (DSL/NDL)	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) **H = 1 / F = 2 / R = 1**
NFPA Rating **H = 1 / F = 2 / R = 1**

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 **Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.5%**

16. SECTION 16: OTHER INFORMATION

Revision: **February 16, 2022**

LEGEND

LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
STOT Specific Target Organ Toxicity
DNEL Derived No Effect Level

Product: **Silmer H Di-10**

SDS #: **7672.1**

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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Hazard pictogram(s) and Hazard Symbol



GHS08

Additional Information

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