



# 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>Silmer OH Di-10</b>
Product code	5744
Chemical Name	Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated
CAS No.	104780-66-7
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
Identified use(s)	An intermediate chemical product.
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)	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
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	<b>CANUTECH - 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>Reproductive toxicity - Category 2</b> <b>Aquatic Chronic 2</b>
<b>2.2 Label elements</b>	
Product Name	<b>Silmer OH Di-10</b>
Symbol	
Signal word(s)	<b>WARNING</b>
Hazard statement(s)	H361f: Suspected of damaging fertility. H411: Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P273: Avoid release to the environment. P281: Use personal protective equipment as required. P308+P313: IF exposed or concerned: Get medical advice/attention. P391: Collect spillage. P405: Store locked up. P501: Dispose of contents/container to: Observe Local Regulations.
<b>2.3 Other hazards</b>	None known

### 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)
Octamethylcyclotetrasiloxane	D4	< 0.5	556-67-2	209-136-7	GHS02, GHS08 H226, H361f, H410
Decamethylcyclopentasiloxane	D5	< 1.0	541-02-6	208-764-9	H227

### 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.
Skin Contact	IF ON SKIN: Gently wash with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse. 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. Seek medical attention if ill effects occur.

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

Suspected of damaging fertility.

#### 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, 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	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

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 liquid.  
Odour Almost odourless.  
Odour Threshold Not available.  
pH Not available.  
Melting Point/Freezing Point Not available.  
Initial boiling point and boiling range >100°C @ 760mmHg  
Flash point (PMCC) >100°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) 0.96  
Solubility(ies) Insoluble in water.  
Partition coefficient: n-octanol/water Not available.  
Auto-ignition temperature Not available.  
Decomposition Temperature Not available.  
Viscosity (25°C) 40 - 80 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	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	Suspected of damaging fertility.
	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	Toxic to aquatic life with long lasting effects.
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	DOT / TDG / Road/Rail (ADR/RID)	Not classified as hazardous for road transport. Not classified as hazardous for rail transport.
14.2	Air (ICAO/IATA)	Not classified as hazardous for air transport.
14.3	Sea (IMDG)	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cyclosiloxane) Class 9 Packing group III Marine Pollutant



## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 EU regulations

REACH Registration No.

Polymer exempt.

Candidate List of Substances of Very High Concern  
for Authorisation

Identified as a PBT according to REACH Annex XIII. Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.5%  
Identified as a vPvB according to REACH Annex XIII. Decamethylcyclopentasiloxane (CAS# 541-02-6) < 1%  
Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 1%

### 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)		X		
Philippines (PICCS)		X		

### 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 = 1 / F = 1 / R = 0**  
**H = 1 / F = 1 / 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

Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 1 %

## 16. SECTION 16: OTHER INFORMATION

Revision: April 12, 2022

### 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)

H361f: Suspected of damaging fertility.

H411: Toxic to aquatic life with long lasting effects.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

Product: **Silmer OH Di-10**

SDS #: **5744**

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P391: Collect spillage.

P405: Store locked up.

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



**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.