




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 OH Di-10 |
| Product code | 5744 |
| Chemical Name | Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated |
| CAS No. | 104780-66-7 |
| 1.2 Recommended use of the chemical and restrictions on use | |
| Identified use(s) | An intermediate chemical product. |
| 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 | |
| | Reproductive toxicity - Category 2 Aquatic Chronic 2 |
| 2.2 Label elements | |
| Product Name | Silmer OH Di-10 |
| Symbol |  |
| Signal word(s) | WARNING |
| 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. |
| 2.3 Other hazards | 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 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

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

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