




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 ACR D4 |
| Product code | 5659.3 |
| Chemical Name | Siloxanes and Silicones, di-Me, 3-[2-hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl Me |
| CAS No. | 193486-79-2 |
| 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 | Skin sensitisation, category 1B |
| 2.2 Label elements | |
| Product Name | Silmer OH ACR D4 |
| Symbol |  |
| Signal word(s) | Warning |
| Hazard statement(s) | H317: May cause an allergic skin reaction. |
| Precautionary statement(s) | P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P363: Wash contaminated clothing before reuse. P403+P233: Store in a well-ventilated place. Keep container tightly closed. 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) |
|---|------------|------|-------------|----------------|---|
| Siloxanes and Silicones, di-Me, 3-[2-hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl Me | --- | >99 | 193486-79-2 | Not applicable | GHS07 : H317 |

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact

Remove persons affected by vapour to fresh air.
Remove contaminated clothing immediately and wash affected skin with plenty of water. Seek medical attention if irritation persists.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Seek medical attention if irritation persists.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.

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**
 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 |
|------------------------|-----------|---------------------|------------------------------------|------------|---------------------------|-------|
| Chromium (III) Acetate | 1066-30-4 | | 0.5 | | | as Cr |

- 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 | Coloured liquid. (Greenish) |
| 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) | >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) | Not available. |
| Solubility(ies) | Not available. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition Temperature | Not available. |

| | |
|----------------------|-----------------|
| Viscosity (25°C) | 400 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 | May cause irritation. |
| Skin Contact | May cause irritation. |
| Eye Contact | May cause irritation. |
| Effects and Symptoms | |
| skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitization | Repeated and/or prolonged contact may cause skin sensitisation. |
| 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 | The substance has low potential for bioaccumulation. |
| 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 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) | Not classified as hazardous for marine transport. |

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. Polymer exempt.

Candidate List of Substances of Very High Concern for Authorisation Possible trace amounts of: (<0.1%)
 Octamethylcyclotetrasiloxane (CAS# 556-67-2)
 Decamethylcyclopentasiloxane (CAS# 541-02-6)
 Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

Contains: Chromium (III) Acetate (CAS#1066-30-4) < 0.09%

15.3 International Inventories

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

15.4 National regulations

HMIS (Hazardous Material Information System) **H = 1 / F = 1 / R = 0**
 NFPA Rating **H = 1 / F = 1 / R = 0**

15.5 US State Regulations

- 15.5.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM None known.
- 15.5.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER None known.
- 15.5.3 State Right to Know Lists **Chromium (III) Acetate (CAS#1066-30-4) < 0.09%**

16. SECTION 16: OTHER INFORMATION

Revision: **November 19, 2018**

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

References:

Hazard statement(s) and Precautionary statement(s)

H317: May cause an allergic skin reaction.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Hazard pictogram(s) and Hazard Symbol



GHS07

Additional Information

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