



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 E4**
Product code 7335.1
Chemical Name Siloxanes and Silicones, di-Me, Me hydrogen
CAS No. 68037-59-2
- 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) marsha.carter@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. **CANUTEC - TELEPHONE: EMERGENCY USE ONLY**
+1-613-996-6666

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture** **Not classified**
- 2.2 Label elements**
Product Name **Silmer H E4**
Symbol NONE
Signal word(s) NONE
Hazard statement(s) NONE
Precautionary statement(s) P262: Do not get in eyes, on skin, or on clothing.
- 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) |
|-----------------------------------|------------|------|---------|--------|---|
| Contains no hazardous ingredients | | | | | |

4. SECTION 4: FIRST AID MEASURES



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| 4.1 Description of first aid measures Inhalation Skin Contact Eye Contact Ingestion | Remove person to fresh air and keep comfortable for breathing. Gently wash with plenty of soap and water. If substance has got into the eyes, immediately wash out with plenty of water for several minutes. 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

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| 5.1 Extinguishing Media Suitable Extinguishing Media Unsuitable 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. 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

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| 6.1 Personal precautions, protective equipment and emergency procedures | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Eliminate all ignition sources if safe to do so. |
| 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

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| 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 Storage Life Incompatible materials | Store in a tightly closed container. Keep away from fire, sparks and heated surfaces. Ambient Stable under normal conditions. 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 | | | | | | |

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| 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 | In case of inadequate ventilation wear respiratory protection. |
|  | |
| Thermal hazards | None. |
| 8.2.3 Environmental Exposure Controls | Avoid release to the environment. |

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|--|---|
| 9.1 Information on basic physical and chemical properties | |
| Appearance | Colourless liquid. |
| Odour | Almost odourless. |
| Odour Threshold | Not available. |
| pH | 6.0 – 7.2 (10% in 20% IPA/70% DI water) |
| 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) | 0.99 |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition Temperature | Not available. |
| Viscosity (25°C) | 22 - 30 cps |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |

10. SECTION 10: STABILITY AND REACTIVITY

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|--|---|
| 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 | Reacts with moisture. |
| 10.5 Incompatible materials | Oxidizing agents. Water, Alcohols, Contact with acids and |

| | |
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| | 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

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|--|---|
| 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

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|-------------------------------------|---|
| 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

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|---|---|
| 14.1 DOT / TDG / Road/Rail (ADR/RID) | Not classified as hazardous for road transport. Not classified as hazardous for rail transport. |
| 14.2 Sea (IMDG) | Not classified as hazardous for marine transport. |
| 14.3 Air (ICAO/IATA) | Not classified as hazardous for air transport. VENTED PACKAGES ARE FORBIDDEN FOR AIR TRANSPORT. |

15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

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| REACH Registration No. | Polymer exempt. |
| Candidate List of Substances of Very High Concern for Authorisation | Possible trace amounts of: Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1% Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.1% Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.1% |

15.2 International Inventories

| Country | Listed | Not listed | Polymer exempt | Other |
|--------------------------------|---------|------------|----------------|-------|
| United States (TSCA) | Active✓ | | | |
| 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 = 1 / F = 1 / R = 1
H = 1 / F = 1 / 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) < 0.1%

16. SECTION 16: OTHER INFORMATION

Revision: **May 03, 2023**

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)

P262: Do not get in eyes, on skin, or on clothing.

Hazard pictogram(s) and Hazard Symbol

NONE

Additional Information

Disclaimers

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