




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 UR-5050 |
| Product code | 5775 |
| Chemical Name | Mixture |
| CAS No. | 923294-06-8 / 31807-55-3 |
| Alternative names (INCI) | BIS-HYDROXYPROPYL DIMETHICONE/SMDI COPOLYMER |
| 1.2 Recommended use of the chemical and restrictions on use | |
| Identified use(s) | PC39 Cosmetics, personal care products |
| Uses advised against | Not available |
| 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 | Flam. Liq. 3 |
| 2.2 Label elements | |
| Product Name | Silmer UR-5050 |
| Symbol |  |
| Signal word(s) | WARNING |
| Hazard statement(s) | H226: Flammable liquid and vapour. |
| Precautionary statement(s) | P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents/container to: Observe Local Regulations. |

2.3 Other hazards None known

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

| Hazardous ingredient(s) | Synonym(s) | %W/W | CAS No. | EC No. | Hazard pictogram(s) and Hazard statement(s) |
|-------------------------|--------------------|---------|------------|-----------|---|
| Isododecane | Pentamethylheptane | 50 - 70 | 31807-55-3 | 250-816-8 | GHS02, GHS08 H226 , H304 |

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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

None known.

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. Ground/bond container and receiving equipment. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.

7.2 Conditions for safe storage, including any

Store in a tightly closed container. Keep away from heat,

incompatibilities

hot surfaces, sparks, open flames and other ignition sources. No smoking.

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/m³) | STEL (ppm) | STEL (mg/m³) | 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

Flammable 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

Characteristic

Odour Threshold

Not available.

pH

Not available.

Melting Point/Freezing Point

Not available.

Initial boiling point and boiling range

>100°C @ 760 mmHg

Flash point (PMCC)

43 °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)

0.87

Solubility(ies)

Insoluble in water.

Partition coefficient: n-octanol/water

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

| | |
|----------------------|------------------|
| Viscosity (25°C) | 2000 - 10000 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 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| 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 | Harmful if swallowed. |
| Inhalation | Low toxicity under normal conditions of handling and use. |
| Skin Contact | May cause irritation |
| Eye Contact | May cause irritation |
| Effects and Symptoms | |
| skin corrosion/irritation | Repeated and/or prolonged skin contact may cause irritation. |
| 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 | Not available. |
| 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 VPOB 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 UN number | 2286 |
| 14.2 UN Proper Shipping Name | Pentamethylheptane Solution |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing Group | III |
| 14.5 Environmental hazards | None |



15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. Polymer exempt / 01-2119490725-29-0000

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

15.3 International Inventories

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

15.4 National regulations

TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules). **Personal care exempt**

HMIS (Hazardous Material Information System) **H = 1 / F = 2 / R = 0**
NFPA Rating **H = 1 / F = 2 / 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 None known.

16. SECTION 16: OTHER INFORMATION

Revision:: **December 06, 2018**

References:

Hazard statement(s) and Precautionary statement(s)

H226: Flammable liquid and vapour.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

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

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s)



GHS02

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.