## 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

#### Signal word(s)
- **WARNING**

#### Hazard 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.

#### Precautionary statement(s)
- P501: Dispose of contents/container to: Observe Local Regulations.
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>Synonym(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Hazard pictogram(s) and Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isododecane</td>
<td>Pentamethylheptane</td>
<td>50 - 70</td>
<td>31807-55-3</td>
<td>250-816-8</td>
<td>GHS02, GHS08 H226, H304</td>
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</tbody>
</table>

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. See Section: 7 & 8.

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

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>None assigned</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

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.
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 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 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 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)

15.3 International Inventories

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<tr>
<th>Country</th>
<th>Listed</th>
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<th>Polymer exempt</th>
<th>Other</th>
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<td>United States (TSCA)</td>
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<tr>
<td>Canada (DSL/NDSL)</td>
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<td>European Union (EINECS/ELINCS)</td>
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<td>China (IECSO)</td>
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<tr>
<td>Philippines (PICCS)</td>
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</tbody>
</table>

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.
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P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.
Hazard pictogram(s)

GHS02

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