1. **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1 **Product identifier**
- **Product Name**: Silmer Q12 IDD
- **Product code**: 7050.717
- **Chemical Name**: Silicic acid, sodium salt, reaction products with chlorotrimethylsilane and iso-Pr alc.
- **CAS No.**: 68988-56-7 / 13475-82-6
- **Alternative names (INCI)**: Trimethylsiloxysilicate (and) Isododecane

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
- **Asp. Tox.**: 1

2.2 **Label elements**
- **Product Name**: Silmer Q12 IDD
- **Symbol**:

![DANGER symbol]

- **Signal word(s)**: DANGER
- **Hazard statement(s)**: 
  - H226: Flammable liquid and vapour.
  - H304: May be fatal if swallowed and enters airways.
  - H413: May cause long lasting harmful effects to aquatic life.
- **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.
  - P273: Avoid release to the environment.
  - P280: Wear protective gloves/protective clothing/eye protection/face protection.
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>2,2,4,6,6-pentamethylheptane</td>
<td>Isododecane</td>
<td>25 - 45</td>
<td>13475-82-6</td>
<td>236-757-0</td>
<td>GHS02, GHS08, H226, H304, H413</td>
</tr>
</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: Do not use water jet.

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. 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

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 incompatibilities
Store in a tightly closed container. Keep away from heat, 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>
<td></td>
<td></td>
<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
Flammable liquid
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): 45°C
   Evaporation rate: Not available.
   Flammability (solid, gas): Not applicable.
   Upper/lower flammability or explosive limits: 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
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

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 None known.
Very High Concern for Authorisation

15.3 International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
</tr>
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<tbody>
<tr>
<td>United States (TSCA)</td>
<td>✓</td>
<td></td>
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</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
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<td>European Union (EINECS/ELINCS)</td>
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<tr>
<td>Philippines (PICCS)</td>
<td>✓</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).
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 20, 2018

References:
Hazard statement(s) and Precautionary statement(s)
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H413: May cause long lasting harmful effects to aquatic life.
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.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.
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

GHS08

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