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

1.1 Product identifier

Product Name: Silmer VQ9 IDD
Product code: 5598.008
Chemical Name: Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified
CAS No.: 68988-89-6 / 13475-82-6

1.2 Recommended use of the chemical and restrictions on use

Identified use(s): PC39 Cosmetics, personal care products
Uses advised against: Additive, Coatings, intermediate use

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 VQ9 IDD

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.
P301+P310: IF SWALLOWED: Immediately call a POISON
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>20 - 40</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
- IFswallowed, seek medical advice immediately and show this container or label. Do NOT inducervomiting.

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. 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 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>
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</thead>
<tbody>
<tr>
<td>None assigned</td>
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<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 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>
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<tr>
<td>United States (TSCA)</td>
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<td>Canada (DSL/NDSL)</td>
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<tr>
<td>European Union (EINECS/ELINCS)</td>
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<tr>
<td>Philippines (PICCS)</td>
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</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).
HIMIS (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.
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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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