1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : Volatile Oil
Product number : MD2-06
Company : Molecular Dimensions Limited
           Unit 6 Goodwin Business Park
           Willie Snaith Road
           Newmarket
           Suffolk
           CB8 7SQ
Telephone : 01638 561051
Fax : 01638 660674
Email address : enquiries@moleculardimensions.com

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment
Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Synonyms : Volatile oil

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS-No.</th>
<th>EC-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polydimethylsiloxane</td>
<td>63148-62-9</td>
<td>-</td>
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</table>

4. FIRST AID MEASURES

If inhaled
No first aid should be needed.
In case of skin contact
No first aid should be needed.
In case of eye contact
Immediately flush with water.
If swallowed
No first aid should be needed.

5. FIRE-FIGHTING METHODS

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters
Wear self-contained breathing apparatus and protective clothing.
Hazardous decomposition products
Carbon oxides. Silicon dioxide. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear appropriate protective clothing.
Environmental precautions
Do not let product enter drains.
Methods for cleaning up
Absorb on an inert absorbent. Transfer to a suitable container for disposal.

7. HANDLING AND STORAGE

Handling
Use with adequate ventilation. Avoid eye contact. Change contaminated clothing.
Protection.
Storage
Store in a cool place, away from oxidizing materials. Keep container tightly closed in a dry and well-ventilated place.
8. EXPOSURE CONTROL/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Wear protective gloves.

Eye protection
Safety glasses.

Hygiene measures
General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance  |  |
|-------------|  |
| Form        | liquid |

| Safety data |  |
|-------------|  |
| pH          | no data available |
| Melting point | no data available |
| Boiling point | 35°C |
| Flash point | 162.7°C |
| Ignition temperature | no data available |
| Lower explosion limit | no data available |
| Upper explosion limit | no data available |
| Water solubility | no data available |

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>10cSt</th>
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</thead>
<tbody>
<tr>
<td>Volatile content</td>
<td>0.13%</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.934</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.3980-1.4</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Storage stability
Stable under recommended storage conditions.

Materials to avoid
Strong oxidizing agents.

Hazardous decomposition products
Formed under fire conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
No data available.

Oxidation and corrosion
No data available.

Sensitisation
No data available.

Chronic exposure
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

Potential health effects
- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin: May be harmful if absorbed through skin. May cause skin irritation.
- Eyes: May cause eye irritation.
- Ingestion: May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)
This product degrades abiotically to form smaller molecules. These in turn are either biodegraded in soil or volatilized into the air where they are broken down in the presence of sunlight. The ultimate degradation products are inorganic silica, carbon dioxide and water.

Ecotoxicity effects
No data available.

Further information on ecology
No data available.

13. DISPOSAL CONSIDERATIONS

Product
Observe all EU and local environmental regulations.

Contaminated packaging
Dispose of as unused product.
14. TRANSPORT INFORMATION

ADR/RID
Not dangerous goods.
IMDG
Not dangerous goods.
IATA
Not dangerous goods.

15. REGULATORY INFORMATION

Labelling according to EC Directives
The product does not need to be labelled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION

Further information
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Molecular Dimensions Ltd., shall not be held liable for any damage resulting from handling or from contact with the above product.
For R&D use only. Not for drug, household or other uses.