SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
SilOil, M60.115/200.05

Substance name: Polydimethylsiloxan
CAS No: 63148-62-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture
Heat transfer oil

Uses advised against
Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Peter Huber Kältemaschinenbau SE
Street: Werner-von-Siemens-Strasse 1
Place: D-77656 Offenburg
Telephone: +49 (0) 781 9603-0
Telefax: +49 (0) 781 57211
E-mail: info@huber-online.com
Internet: www.huber-online.com
Responsible Department: Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

1.4. Emergency telephone number:

Further Information

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard statements
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P273 Avoid release to the environment.
P501 Dispose of contents/container to local/Regional/national/international regulations.

2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII:
- octamethylcyclotetrasiloxane; [D4].

The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII:
- Dodecamethylcyclohexasiloxane;
- octamethylcyclotetrasiloxane; [D4].

Endocrine disrupting properties: Dodecamethylcyclohexasiloxane; octamethylcyclotetrasiloxane; [D4].

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization
Polydimethylsiloxane
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>63148-62-9</td>
<td>Polydimethylsiloxane</td>
<td>&gt; 95 %</td>
</tr>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>556-67-2</td>
<td>Octamethylcyclotetrasiloxane; [D4]</td>
<td>&lt; 0,25 %</td>
</tr>
</tbody>
</table>

Classification (Regulation (EC) No 1272/2008)

<table>
<thead>
<tr>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th>Specific Conc. Limits, M-factors and ATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>208-762-8</td>
<td>01-2119517435-42-XXXX</td>
<td>Flam. Liq. 3, Repr. 2, Aquatic Chronic 1: H226 H361f H410</td>
<td></td>
</tr>
<tr>
<td>209-136-7</td>
<td>014-018-00-1</td>
<td>01-2119529238-36-XXXX</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

<table>
<thead>
<tr>
<th>CAS No</th>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>208-762-8</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dermal: LD50 = &gt; 2000 mg/kg; oral: LD50 = &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>556-67-2</td>
<td>209-136-7</td>
<td>Octamethylcyclotetrasiloxane; [D4]</td>
<td>&lt; 0,25 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dermal: LD50 = &gt; 2000 mg/kg; oral: LD50 = &gt; 4800 mg/kg Aquatic Chronic 1: H410: M=10</td>
</tr>
</tbody>
</table>

Further Information

: Dodecamethylcyclohexasiloxane, Octamethylcyclotetrasiloxane

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. Remove contaminated clothing immediately. In case of skin irritation consult a doctor.

After contact with eyes

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

See sections 2 and 11

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
**Suitable extinguishing media**
- Carbon dioxide (CO2). Dry extinguishing powder. Alcohol resistant foam. Atomized water. Sand

**Unsuitable extinguishing media**
- High power water jet.

### 5.2. Special hazards arising from the substance or mixture
Can be released in case of fire: Carbon monoxide (CO). Carbon dioxide (CO2). Formaldehyde.

### 5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

**Additional information**
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Co-ordinate fire-fighting measures to the fire surroundings.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- **General advice**
  - Safe handling: see section 7

- **For non-emergency personnel**
  - Wear personal protection equipment (refer to section 8).

- **For emergency responders**
  - No special measures are necessary.

#### 6.2. Environmental precautions
- Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### 6.3. Methods and material for containment and cleaning up

- **For containment**
  - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
  - Treat the recovered material as prescribed in the section on waste disposal.

- **For cleaning up**
  - Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections
- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- **Advice on safe handling**
  - Wear suitable protective clothing. See section 8.

- **Advice on protection against fire and explosion**
  - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Usual measures for fire prevention.

- **Advice on general occupational hygiene**
  - Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes. Take off immediately all contaminated clothing.

- **Further information on handling**
  - General protection and hygiene measures: See section 8. Vapours / aerosols must be extracted by suction immediately at point of origin.

#### 7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed in a cool, well-ventilated place. Store only in original container.

Hints on joint storage

Further information on storage conditions
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
Recommended storage temperature: 20 °C
Maximum storage temperature: 50 °C
Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)
See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>DNEL type</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>1,22 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>6,1 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>0,3 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>1,5 mg/m³</td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane; [D4]</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>73 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>73 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>13 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>13 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>3,7 mg/kg bw/day</td>
</tr>
</tbody>
</table>

PNEC values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>Freshwater sediment</td>
<td>13,5 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>1,35 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Secondary poisoning</td>
<td>66,7 mg/kg</td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane; [D4]</td>
<td>Freshwater</td>
<td>0,0015 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0,00015 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>3 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>0,3 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Secondary poisoning</td>
<td>41 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>10 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0,54 mg/kg</td>
</tr>
</tbody>
</table>
Additional advice on limit values
To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls
Technical measures and the application of suitable work processes have priority over personal protection equipment.
Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses; chemical goggles (if splashing is possible). EN 166

Hand protection
In case of prolonged or frequently repeated skin contact:
Wear suitable gloves.
Suitable material:
FKM (fluororubber). - Thickness of glove material: 0,4 mm
Breakthrough time >= 8 h
Butyl rubber. - Thickness of glove material: 0,5 mm
Breakthrough time >= 8 h
CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm
Breakthrough time >= 8 h
NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm
Breakthrough time >= 8 h
PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm
Breakthrough time >= 8 h
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.
Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection
Suitable protective clothing: Lab apron.

Respiratory protection
With correct and proper use, and under normal conditions, breathing protection is not required. Breathing apparatus in the event of aerosol or mist formation. half-mask with filter (DIN EN 149).

Environmental exposure controls
Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>colourless</td>
</tr>
<tr>
<td>Odour:</td>
<td>weak</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>not determined</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>not determined</td>
</tr>
<tr>
<td>Boiling point or initial boiling point and boiling range:</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability:</td>
<td>This material is combustible, but will not ignite readily.</td>
</tr>
<tr>
<td>Lower explosion limits:</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper explosion limits:</td>
<td>not determined</td>
</tr>
</tbody>
</table>
### Flash point:
> 120 °C

### Auto-ignition temperature:
350 °C

### Decomposition temperature:
not determined

### pH-Value:
not applicable

### Viscosity / kinematic:
ca. 5 mm²/s

### Water solubility:
Immiscible

### Solubility in other solvents:
not determined

### Dissolution rate:
not relevant

### Partition coefficient n-octanol/water:
not relevant

### Dispersion stability:
not relevant

### Vapour pressure:
not determined

### Density (at 25 °C):
0.92 g/cm³

### Bulk density:
not determined

### Relative vapour density:
not relevant

### Particle characteristics:
not relevant

---

## 9.2. Other information

### Information with regard to physical hazard classes

**Explosive properties**
- none

**Sustaining combustion:**
- Not sustaining combustion

**Self-ignition temperature**
- Gas: not determined

**Oxidizing properties**
- none

### Other safety characteristics

**Evaporation rate:**
- not determined

**Solvent separation test:**
- not determined

**Solvent content:**
- not determined

**Solid content:**
- not determined

**Sublimation point:**
- not determined

**Softening point:**
- not determined

**Pour point:**
- not determined

**Viscosity / dynamic:**
- not determined

**Flow time:**
- not determined

---

## Further Information

No information available.

---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Refer to chapter 10.5.

### 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.
10.5. Incompatible materials
    Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products
    Can be released in case of fire: Silicon dioxide (SiO2)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicokinetics, metabolism and distribution
    No data available.

Acute toxicity
    Based on available data, the classification criteria are not met.
    Acute oral toxicity
        : LD50
        : dermal
        : Rat
    Effective dose: > 5000 mg/kg
    By analogy.

    Acute dermal toxicity
        : LD50
        : oral
        : Rat
    Effective dose: > 2000 mg/kg
    By analogy.

    Acute inhalation toxicity
    The product has not been tested.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>oral</td>
<td>LD50</td>
<td>Rat</td>
<td>Other company data (1999)</td>
<td>OECD Guideline 423</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>Rat</td>
<td>Other company data (1999)</td>
<td>OECD Guideline 402</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane; [D4]</td>
<td>oral</td>
<td>LD50</td>
<td>Rat</td>
<td>ECHA Dossier</td>
<td>OECD Guideline 401</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>Rat</td>
<td>ECHA Dossier</td>
<td>OECD Guideline 402</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
    Based on available data, the classification criteria are not met.

Sensitising effects
    Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
    Based on available data, the classification criteria are not met.
    Octamethylcyclotetrasiloxane
    In-vitro mutagenicity:
    Method:
    -OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
    -OECD Guideline 471 (Bacterial Reverse Mutation Assay)
- OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
  Result: negative.
  Literature information: REACH Dossier

**STOT-single exposure**
Based on available data, the classification criteria are not met.

**STOT-repeated exposure**
Based on available data, the classification criteria are not met.
Octamethylcyclotetrasiloxane
  Chronic inhalative toxicity:
  Method: other guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
  Exposure time: 2 years
  Species: Rat
  Results: NOAEC = 150 ppm.
  Literature information: REACH Dossier

**Aspiration hazard**
Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**
No data available.

### 11.2. Information on other hazards

**Endocrine disrupting properties**
Endocrine disrupting properties: Dodecamethylcyclohexasiloxane; octamethylcyclotetrasiloxane; [D4].
No data available.

**Other information**
No data available.

### SECTION 12: Ecological information

#### 12.1. Toxicity
The product has not been tested.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>Acute algae toxicity</td>
<td>ErC50 mg/l</td>
<td>&gt; 0,002</td>
<td>72 h</td>
<td>Raphidocelis subcapitata</td>
<td>REACh Registration Dossier</td>
<td>OECD Guideline 201</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish toxicity</td>
<td>NOEC mg/l</td>
<td>&gt;= 0,014</td>
<td>90 d</td>
<td>Oncorhynchus mykiss</td>
<td>REACh Registration Dossier</td>
<td>OECD Guideline 210</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crustacea toxicity</td>
<td>NOEC 0,0046 mg/l</td>
<td>&gt;=</td>
<td>21 d</td>
<td>Daphnia magna</td>
<td>REACh Registration Dossier</td>
<td>OECD Guideline 211</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute bacteria toxicity</td>
<td>(EC50 mg/l)</td>
<td>&gt; 100</td>
<td>3 h</td>
<td>Activated sludge</td>
<td>REACh Registration Dossier</td>
<td>OECD Guideline 209</td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane; [D4]</td>
<td>Acute fish toxicity</td>
<td>LC50 mg/l</td>
<td>&gt;0,022</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>ECHA Dossier</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50 mg/l</td>
<td>&gt; 0,022</td>
<td>96 h</td>
<td>Pseudokirchneriella subcapitata</td>
<td>ECHA Dossier</td>
<td>EPA OTS 797.1050</td>
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<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50 mg/l</td>
<td>&gt; 0,015</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>Env. Toxicol. &amp; Chemistry 14, 1639-1647</td>
<td>EPA OTS 797.1300</td>
</tr>
</tbody>
</table>
Safety Data Sheet
according to Regulation (EC) No 1907/2006

SilOil, M60.115/200.05

12.2. Persistence and degradability
The product has not been tested.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Method</th>
<th>Value</th>
<th>Method</th>
<th>Source</th>
</tr>
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<tbody>
<tr>
<td>540-97-6</td>
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<td></td>
<td>4,47</td>
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<td>ECHA Dossier</td>
</tr>
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<td></td>
<td>[D4] octamethylcyclotetrasiloxane; [D4]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>556-67-2</td>
<td></td>
<td></td>
<td>3,7</td>
<td></td>
<td>ECHA Dossier</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential
No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>8,87</td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane; [D4]</td>
<td>6,488</td>
</tr>
</tbody>
</table>

BCF

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>BCF</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-97-6</td>
<td>Dodecamethylcyclohexasiloxane</td>
<td>1160</td>
<td>Pimephales promelas</td>
<td>Study report (2005)</td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane; [D4]</td>
<td>12400</td>
<td>Pimephales promelas</td>
<td>ECHA Dossier</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII:
- octamethylcyclotetrasiloxane; [D4].
The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII:
- Dodecamethylcyclohexasiloxane; octamethylcyclotetrasiloxane; [D4].
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.6. Endocrine disrupting properties
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.7. Other adverse effects
No information available.

Further information
Do not allow to enter into surface water or drains.
SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations
Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.
Non-contaminated packages may be recycled.
According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.
Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products
070216 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; waste containing hazardous silicones; hazardous waste

List of Wastes Code - used product
070216 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; waste containing hazardous silicones; hazardous waste

List of Wastes Code - contaminated packaging
150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)
14.1. UN number or ID number:
No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.
14.4. Packing group:
No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)
14.1. UN number or ID number:
No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.
14.4. Packing group:
No dangerous good in sense of this transport regulation.

Marine transport (IMDG)
14.1. UN number or ID number:
No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.
14.4. Packing group:
No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)
14.1. UN number or ID number:
No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.
14.4. Packing group:
No dangerous good in sense of this transport regulation.

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user
refer to chapter 6 - 8
14.7. Maritime transport in bulk according to IMO instruments
not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Authorisations (REACH, annex XIV):
Substances of very high concern, SVHC (REACH, article 59):
Dodecamethylcyclohexasiloxane; octamethylcyclotetrasiloxane; [D4]

Restrictions on use (REACH, annex XVII):
Entry 3, Entry 70
2010/75/EU (VOC): not determined
2004/42/EC (VOC): not determined
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3, 70

National regulatory information
Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment
For the following substances of this mixture a chemical safety assessment has been carried out:
Dodecamethylcyclohexasiloxane
octamethylcyclotetrasiloxane; [D4]

SECTION 16: Other information

Changes
Rev. 1.0; Initial release: 25.09.2020
Rev. 2.0; 28.07.2022, Changes in chapter: 2-16
Rev. 3.0; 21.07.2023, Revision

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging of substances and mixtures
DNEL: Derived No Effect Level
d: day(s)
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
ECHA: European Chemicals Agency
EWC: European Waste Catalogue
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
Relevant H and EUH statements (number and full text)

- **H226**: Flammable liquid and vapour.
- **H361f**: Suspected of damaging fertility.
- **H410**: Very toxic to aquatic life with long lasting effects.
- **H412**: Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.