Parker Hannifin France SAS  
Etablissement de Saint Ouen l'Aumône-PA du vert  
Galant-6/8 avenue du Vert  
Galant-95310 Saint Ouen l'Aumône-France  
Telephone: +33 (01) 34 32 39 00

Silver-Filled Silicone RTV  
Product code(s): 72-00002; 72-00229; 72-00155; 72-00359; 72-00112F; 72-00115; 72-00146B; 72-00146C; 72-00182; 72-00338; 72-11004; 72-00309; 72-90016

SDS Revision Date (dd/mm/yyyy): 27/11/2012

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 1.  IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKEN

Product identifier : Silver-Filled Silicone RTV
Product Code(s) : 72-00002; 72-00229; 72-00155; 72-00359; 72-00112F; 72-00115; 72-00146B; 72-00146C; 72-00182; 72-00338; 72-11004; 72-00309; 72-90016
SDS No. : PHC-010 EU

Relevant identified uses of the substance or mixture and uses advised against :
- Moisture cure adhesive / sealant.
- Use pattern: professional use.

Details of the supplier of the safety data sheet:
Parker Hannifin France  
SAS-Etablissement de Saint Ouen l'Aumône-PA du vert  
Galant-6/8 avenue du Vert  
Galant-95310 Saint Ouen l'Aumône-France

Chomerics Europe  
Parker Hannifin Ltd., Seal Group  
Unit 6 Century Point  
Halifax Road, High Wycombe  
Bucks, HP12 3SL  
United Kingdom

Telephone : 033 (01) 34 32 39 00 (France); 044 (0) 1494 455 400 (UK)
Emergency Telephone Number : 001-352-323-3500 (INFOTRAC)

SECTION 2.  HAZARDS IDENTIFICATION

Classification of the substance or mixture

Most important hazards: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.
Classification:
- Xi - Irritant
  - R36/37/38 - Irritating to eyes, respiratory system and skin.

Label elements

Irritant

Hazardous components which must be listed on the label: None.

R36/37/38 - Irritating to eyes, respiratory system and skin.

S23 - Do not breathe fumes, vapour.
S25 - Avoid contact with eyes.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S46 - If swallowed, seek medical advice immediately and show this container or label.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 - This material and its container must be disposed of in a safe way.
SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other hazards

Other hazards which do not result in classification:
May slowly hydrolyze in the presence of water to: acetic acid. Upon completion of the curing process, these hydrolysis products are no longer released. When heated above 150°C in air, may release formaldehyde gas. Formaldehyde is an eye and throat irritant and acute toxicant. Formaldehyde may cause sensitisation by skin contact. Formaldehyde has shown limited evidence of a carcinogenic effect. Heating or fire can release toxic gas. Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation. Inhalation of fumes may result in metal fume fever, a flu-like illness.

Environmental precautions:
The product should not be allowed to enter drains, water courses or the soil. See ECOLOGICAL INFORMATION, Section 12.

PBT assessment: This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB).
Contains: Octamethylcyclotetrasiloxane.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Not applicable

Mixtures

Chemical nature of the preparation: Mixture - Inorganic substances in powdered form; silane compounds.

The following substances shall be indicated according to legislation:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS #</th>
<th>EC No.</th>
<th>Concentration</th>
<th>EU Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver metal</td>
<td>7440-22-4</td>
<td>231-131-3</td>
<td>60.0 - 100.0</td>
<td>None assigned. Substances for which there are Community workplace exposure limits.</td>
</tr>
<tr>
<td>Polydimethylsiloxane</td>
<td>70131-67-8</td>
<td>Polymer</td>
<td>10.0 - 30.0</td>
<td>Xi - Iritant; R36/37/38 (self classified)</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>3.0 - 7.0</td>
<td>None assigned. Substances for which there are Community workplace exposure limits.</td>
</tr>
<tr>
<td>Methylsilanetriyl triacetate</td>
<td>4253-34-3</td>
<td>224-221-9</td>
<td>1.0 - 5.0</td>
<td>Xn - Harmful; R22 C - Corrosive; R34 (self classified)</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>556-67-2</td>
<td>209-136-7</td>
<td>1.0 - 5.0</td>
<td>R53 Xn - Harmful; Repr.Cat.3;R62</td>
</tr>
</tbody>
</table>

Possible decomposition products in case of hydrolysis are:

acetic acid                          | 64-19-7  | 200-580-7| Not known.    | R10 C - Corrosive; R35 |

The following ingredient is released from the product only when heated above 150°C:

Formaldehyde                        | 50-00-0  | 200-001-8| Not known.    | T - Toxic; R23/24/25 C - Corrosive; R34 Xn - Harmful; Carc.Cat.3;R40 Xi - Irritant; R43 |

Note: May slowly hydrolyze in the presence of water to: acetic acid. Acetic acid and formaldehyde are not intentionally added to this product.

For the full text of the R phrases mentioned in this section, see Section 2 or 16.
SECTION 4. FIRST-AID MEASURES

Description of first aid measures

**Ingestion**: Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

**Inhalation**: If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. When symptoms persist or in all cases of doubt seek medical advice.

**Skin contact**: Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.

**Eye contact**: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms and effects, both acute and delayed

- Irritating to eyes, respiratory system and skin.
- Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.
- May slowly hydrolyze in the presence of water to: acetic acid. Acetic acid is harmful. Upon completion of the curing process, these hydrolysis products are no longer released.
- When heated above 150°C in air, may release formaldehyde gas. Formaldehyde is an eye and throat irritant and acute toxicant. Formaldehyde may cause sensitisation by skin contact. Formaldehyde has shown limited evidence of a carcinogenic effect.

Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media
  - Carbon dioxide (CO2); Dry chemical; Alcohol-resistant foam.

- Unsuitable extinguishing media
  - May react with water.

Special hazards arising from the substance or mixture

- During cure, vapours are released which may be harmful. May slowly hydrolyze in the presence of water to: acetic acid. Upon completion of the curing process, these hydrolysis products are no longer released. The pressure in sealed containers can increase under the influence of heat. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; formaldehyde; Metal oxides; silicon oxides.

Advice for firefighters

- **Protective equipment for fire-fighters**
  - Wear self-contained breathing apparatus and protective suit. Fight fire with normal precautions from a reasonable distance.

- **Special fire-fighting procedures**
  - Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Wear suitable protective equipment. Keep people away from and upwind of spill/leak.

Environmental precautions

- Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Methods and material for containment and cleaning up

Ventilate the area. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources if safe to do so. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

Reference to other sections

Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Use only in well-ventilated areas. Wear protective gloves/clothing and eye/face protection. Do not breathe fumes or vapours. Avoid contact with skin, eyes and clothing. Keep away from heat. Keep away from acids and other incompatibles. Protect from moisture. Keep container tightly closed. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage. Keep containers dry and tightly closed to avoid moisture absorption and contamination.

Specific end use(s)

Adhesives and/or sealants.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Exposure Limits</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetic acid</td>
<td>10 ppm (25 mg/m³) (TWA)</td>
<td>European Union (OEL)</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>10 ppm (25 mg/m³) (STEL)</td>
<td>France (OEL)</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>10 ppm (25 mg/m³) (TWA)</td>
<td>Germany (OEL)</td>
<td>(exposure factor 2)</td>
</tr>
<tr>
<td></td>
<td>25 mg/m³ (TWA)</td>
<td>Hungary (OEL)</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>25 mg/m³ (STEL)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 ppm (25 mg/m³) (TWA)</td>
<td>Spain (OEL)</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>15 ppm (37 mg/m³) (STEL)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>0.5 ppm (TWA)</td>
<td>France (OEL)</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>1 ppm (STEL)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.6 mg/m³ (TWA)</td>
<td>Hungary (OEL)</td>
<td>Potential for cutaneous absorption</td>
</tr>
<tr>
<td></td>
<td>0.6 mg/m³ (STEL)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3 ppm (0.37 mg/m³) (STEL)</td>
<td>Spain (OEL)</td>
<td>None.</td>
</tr>
<tr>
<td>Methylsilanetriyl triacetate</td>
<td>2 ppm (2.5 mg/m³) (TWA)</td>
<td>The United Kingdom (The United Kingdom (WELs))</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>2 ppm (2.5 mg/m³) (STEL)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

<table>
<thead>
<tr>
<th>Component</th>
<th>European Union (OEL)</th>
<th>Germany (OEL)</th>
<th>Austria (OEL)</th>
<th>Hungary (OEL)</th>
<th>Spain (OEL)</th>
<th>The United Kingdom (OELs)</th>
<th>The United Kingdom (WELs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>None known</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polydimethylsiloxane</td>
<td>None known</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>4 mg/m³ (inhalable)</td>
<td>6 mg/m³ (inhalable); 2.4 mg/m³ (respirable dust)</td>
<td>18 mg/m³ (inhalable); 7.2 mg/m³ (respirable dust)</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>(TWA)</td>
<td>(TWA)</td>
<td>(TWA)</td>
<td>(STEL)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silver metal</td>
<td>0.1 mg/m³ (TWA)</td>
<td>0.1 mg/m³ (TWA)</td>
<td>0.1 mg/m³ (inhalable)</td>
<td>0.1 mg/m³ (TWA)</td>
<td>0.1 mg/m³ (TWA)</td>
<td>0.1 mg/m³ (TWA)</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>(TWA)</td>
<td>(TWA)</td>
<td>(TWA)</td>
<td>(TWA)</td>
<td>(TWA)</td>
<td>(TWA)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note: May slowly hydrolyze in the presence of water to: acetic acid. Acetic acid and formaldehyde are not intentionally added to this product. The above exposure limits are provided for safety reasons.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Exposure controls**

**Ventilation and engineering measures**

: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**Respiratory protection**

: In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Skin protection**

: Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

**Eye / face protection**

: Wear protective glasses and eye/face protection. Wear as appropriate: Safety glasses with side-shields conforming to EN166

**Other protective equipment**

: Chemical resistant apron. Safety boots per regulations. Ensure that eyewash stations and safety showers are close to the workstation location.

**General hygiene considerations**

: Do not breathe fumes or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>paste - silver/tan</td>
</tr>
<tr>
<td>Odour</td>
<td>vinegar-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flashpoint (Method)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Lower flammable limit (% by vol.)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Upper flammable limit (% by vol.)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None known.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not expected to be sensitive to mechanical impact or static discharge.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No information available.</td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>2.8</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>insoluble May react with water.</td>
</tr>
<tr>
<td>Other solubility(ies)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Evaporation rate (BuAe = 1)</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

Other Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatiles (% by weight)</td>
<td>&lt; 2.0%</td>
</tr>
<tr>
<td>Volatile organic Compounds (VOC’s)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Other physical/chemical comments</td>
<td>No additional information.</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Reactivity

May slowly hydrolyze in the presence of water to: acetic acid. Upon completion of the curing process, these hydrolysis products are no longer released.

Chemical stability

Stable under normal conditions. When heated above 150°C in air, may release formaldehyde gas.

Possibility of hazardous reactions

Hazardous polymerisation does not occur.

Conditions to avoid

Direct sources of heat. Avoid moisture. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials

Water; Oxidizing agents; Acids; Bases.
Silver-Filled Silicone RTV
Product code(s): 72-00002; 72-00229; 72-00155; 72-00359; 72-00112F; 72-00115; 72-00146B; 72-00146C; 72-00182; 72-00338; 72-11004; 72-00309; 72-90016
SDS Revision Date (dd/mm/yyyy): 27/11/2012

SAFETY DATA SHEET
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Hazardous decomposition products: Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; formaldehyde; metal oxides; silicon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological effects:

Acute toxicity: According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.

Irritation: The product is classified as dangerous in accordance with Directive 1999/45/EC. Classification: Xi - Irritant; R36/37/38 - Irritating to eyes, respiratory system and skin.

Corrosivity: According to the classification criteria of the European Union, this product is not considered as being a corrosive material.

Sensitisation: According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser. According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser. Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde may cause sensitisation by skin contact.

Mutagenicity: Contains no ingredient listed as a mutagen.

Carcinogenicity: Not classifiable as a human carcinogen. Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde has shown limited evidence of a carcinogenic effect.

Reproductive toxicity: Not classifiable as a reproductive toxin.

Repeated dose toxicity: According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through repeated doses.

Toxicological data: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LC50(4hr) inh, rat</th>
<th>LD50 Oral, rat</th>
<th>LD50 Rabbit, dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver metal</td>
<td>No information available.</td>
<td>&gt; 2000 mg/kg</td>
<td>No information available.</td>
</tr>
<tr>
<td>Polymethylsiloxane</td>
<td>No information available.</td>
<td>No information available.</td>
<td>No information available.</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>No information available.</td>
<td>3160 mg/kg</td>
<td>No information available.</td>
</tr>
<tr>
<td>Methylsilanetriyl triacetate</td>
<td>No information available.</td>
<td>1602 mg/kg</td>
<td>No information available.</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>36,000 mg/m³</td>
<td>1540 mg/kg</td>
<td>&gt; 2400 mg/kg</td>
</tr>
</tbody>
</table>

Possible decomposition products in case of hydrolysis are:
- Acetic acid: 4653 ppm
- Formaldehyde: 287 ppm

The following ingredient is released from the product only when heated above 150°C:
- Acetic acid: 3310 mg/kg
- Formaldehyde: 800 mg/kg

Routes of exposure: Eye contact; Skin contact; Inhalation; Ingestion.
SAFETY DATA SHEET
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Effects of acute exposure
Inhalation: Irritating to respiratory system. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath. Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde causes severe respiratory irritation, lung inflammation and pulmonary edema.

Skin contact: Irritating to skin.

Eye contact: Irritating to eyes.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential Chronic Health Effects
Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.

Other important hazards
May slowly hydrolyze in the presence of water to: acetic acid. Acetic acid is harmful.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. May slowly hydrolyze in the presence of water to: acetic acid. Upon completion of the curing process, these hydrolysis products are no longer released. Other ingredients which may be harmful: Octamethylcyclotetrasiloxane.
The acute toxicity of octamethylcyclotetrasiloxane is (IUCLID):
Toxicity to fish - LC50/96h/Brachydanio rerio == > 500 mg/L
Toxicity to daphnia - EC50/24h/ Daphnia magna (Water flea)= 25.2 mg/L

Persistence and degradability
The product itself has not been tested. Contains: Octamethylcyclotetrasiloxane. Octamethylcyclotetrasiloxane has a half-life in water of 37.5 days (Canadian Environmental Protection Agency). Octamethylcyclotetrasiloxane has a half life in sediment of > 728 days (Canadian Environmental Protection Agency).

Bioaccumulation potential
The product itself has not been tested. Contains: Octamethylcyclotetrasiloxane. Octamethylcyclotetrasiloxane has a bioconcentration factor (BCF) in fish (fathead minnows) of 12,400 (IUCLID).

Mobility in soil
The product itself has not been tested.

Results of PBT and vPvB assessment
This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB). Contains: Octamethylcyclotetrasiloxane. The final vPvB assessment of Octamethylcyclotetrasiloxane within the European Union is currently being evaluated.

Other Adverse Environmental effects
None known.

Water contaminating class (Germany)
1 (self classified)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:
Handling for Disposal
Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
SAFETY DATA SHEET
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Methods of Disposal: Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing Group</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID</td>
<td>None</td>
<td>not regulated</td>
<td>Not regulated</td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

EU ADR/RID Classification Code
Not applicable.

EU ADR / RID Hazard Identification Number
Not applicable.

ADR/RID Additional information
Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.

ICAO/IATA
None
Not regulated.
Not regulated
none

ICAO/IATA Additional information
None.

IMDG
None
Not regulated.
Not regulated
none

IMDG Additional information
None.

Special precautions for user
Appropriate advice on safety must accompany the package.

Environmental hazards
This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
1. Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.
2. Classification according to European directive on classification of hazardous preparations 1999/45/EC.
3. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
4. In accordance with the legislation of the United Kingdom.
5. German legislation on water endangering substances VwVwS (see Section 12).

Chemical safety assessment
A chemical safety assessment has not been carried out by the Manufacturer of this product.
SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16. OTHER INFORMATION

Legend
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS: Chemical Abstract Services
- EC: European Community
- EEC: European Economic Community
- EINECS: European Inventory of Existing Commercial chemical Substances
- EN: European Standard
- EU: European Union
- HSDB: Hazardous Substances Data Bank
- IATA: International Air Transport Association
- IBC: Intermediate Bulk Container
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- IUCLID: International Uniform Chemical Information Database
- LC: Lethal Concentration
- LD: Lethal Dose
- OEL: National occupational exposure limits
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- RTECS: Registry of Toxic Effects of Chemical Substances
- SDS: Safety Data Sheet
- STEL: Short Term Exposure Limit
- TWA: Time Weighted Average
- WEL: Workplace Exposure Limit

Information Source
- 1. Material Safety Data Sheet from manufacturer.
- 2. Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2012 (Chempendium, RTECs, HSDB, INCHEM).

Preparation Date (dd/mm/yyyy)
- 21/01/2009

Reviewed Date SDS (dd/mm/yyyy)
- 27/11/2012

Revision No.
- 2

Revision Information
- (M)SDS sections updated:
  2. HAZARDS IDENTIFICATION;
  3. COMPOSITION/INFORMATION ON INGREDIENTS;
  4. FIRST AID MEASURES;
  6. ACCIDENTAL RELEASE MEASURES;
  7. HANDLING AND STORAGE;
  9. PHYSICAL AND CHEMICAL PROPERTIES;
  10. STABILITY AND REACTIVITY;
  11. TOXICOLOGICAL INFORMATION;
  12. ECOLOGICAL INFORMATION;
  14. TRANSPORT INFORMATION;
  15. REGULATORY INFORMATION
SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

R-Phrases (Full text):
- R10 - Flammable.
- R22 - Harmful if swallowed.
- R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
- R34 - Causes burns.
- R35 - Causes severe burns.
- R40 - Limited evidence of a carcinogenic effect.
- R43 - May cause sensitization by skin contact.
- R53 - May cause long-term adverse effects in the aquatic environment.
- R62 - Possible risk of impaired fertility.

Refer to section 2 for additional R phrases not listed here.

Other special considerations for handling:
- Provide adequate information, instruction and training for operators.

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DISCLAIMER

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