

Trade name: Silicone grease

Version: 4.0.0 / GB

Status: 21.02.2008

Date of printing: 21.02.2008

**1.) Identification of the substance/preparation and of the company/undertaking****Identification of the substance or preparation****Trade name****Silicone grease****Order No.:** 0013 063.010**Use of the substance/preparation**

piston grease for air cushion pipettes

**Company/undertaking identification****Address**Eppendorf AG  
Barkhausenweg 1  
D-22339 Hamburg

Telephone no. +49 40 53801-0

**Information provided by / telephone**Eppendorf Application Hotline  
Tel.: +49 1803 66 67 89  
Fax: +49 4053 99 01 25  
email: application-hotline@eppendorf.de**Emergency telephone**Poison Information Centre North  
Telephone no. +49 551 - 19240**Advice on Safety Data Sheet**

sdb\_info@umco.de

**2.) Hazards identification****Hazard symbols**

- N O N E

**Particular information pertaining specific risk for human / environment**

The product does not require a hazard warning label in accordance with Directive 1999/45/EC.

**3.) Composition / information on ingredients****Chemical characterization**

Methylsilicone oil, PTFE

**4.) First aid measures****General information**

In case of persisting adverse effects consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

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## After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Seek medical advice.

## 5.) Fire-fighting measures

### Suitable extinguishing media

Water spray jet; Foam; Dry chemical extinguisher; Carbon dioxide

### Extinguishing media that must not be used for safety reasons

Full water jet

### Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire, the following can be released:

Carbon monoxide (CO)

Hydrocarbons

### Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

### Other information

Cool endangered containers with water spray jet.

## 6.) Accidental release measures

### Personal precautions

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### Methods for cleaning up/taking up

Pick up mechanically. Send in suitable containers for recovery or disposal.

## 7.) Handling and storage

### Handling

#### Advice on safe handling

Ensure adequate ventilation.

#### Advice on protection against fire and explosion

No special measures necessary.

### Storage

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

#### Advice on storage assembly

Do not store together with:

Oxidizing agents

Store the foodstuffs separately.

#### Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

## 8.) Exposure controls / personal protection

### Exposure limit values

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**Personal protective equipment****Respiratory protection**

No special measures required.

**Hand protection**

Nitril protective gloves (rotiprotect Nitril, AQL 1,5; Carl Roth GmbH &amp; Co.)

**Eye protection**

Safety glasses (EN 166)

**Skin protection**

Clothing as usual in the chemical industry.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

**9.) Physical and chemical properties****General information**

|        |       |
|--------|-------|
| Form   | pasty |
| Colour | white |

**Important health, safety and environmental information****Changes in physical state**

|          |               |      |    |
|----------|---------------|------|----|
| Type     | Melting point |      |    |
| Value    | >             | 230  | °C |
| Pressure | 1013          | mbar |    |

**Flash point**

|       |   |     |    |
|-------|---|-----|----|
| Value | > | 300 | °C |
|-------|---|-----|----|

**Density**

|                       |       |      |                   |
|-----------------------|-------|------|-------------------|
| Value                 | appr. | 1,27 | g/cm <sup>3</sup> |
| Reference temperature | 20    | °C   |                   |

**Solubility in water**

|         |           |
|---------|-----------|
| Remarks | insoluble |
|---------|-----------|

**10.) Stability and reactivity****Conditions to avoid**

None known

**Materials to avoid**

Oxidizing agents

**Thermal decomposition**

|         |   |
|---------|---|
| Remarks | No decomposition if used as prescribed. |
|---------|---|

**11.) Toxicological information****Experience in practice**

Product specific toxicological data are not available.

Frequent persistent contact with the skin can cause skin irritation.

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**12.) Ecological information****Other adverse effects**

Product is insoluble in water.

May be separated out mechanically in purification plants.

Do not allow to enter soil, waterways or waste water canal.

**13.) Disposal considerations****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

**14.) Transport information****Other information (chapter 14.)**

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material.

**15.) Regulatory information****Labelling in accordance with EC directives**

The product does not require a hazard warning label in accordance with EC Directive 1999/45/EC.

**Hazard symbols**

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**Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances****Remarks**

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

**16.) Other information****Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Department issuing safety data sheet**

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.