

## 1 EC safety data sheet in accordance with Directive 2001/58/EC



Issue dated 09/01/2007

### 1. MATERIAL, PREPARATION AND COMPANY ID

<b>1.1. Name of the material or preparation</b>
<b>KaVo silicone grease</b>
Version:
▪ 9 g tube (Mat. no. 1.000.6403)
Internal version:
▪ 500 g can (Mat. no. 1.001.1910)

<b>1.2. Use of the material or preparation</b>
Silicone grease paste for seals

<b>1.3. Company name</b>
Kaltenbach & Voigt GmbH Bismarckring 39 D-88400 Biberach Tel.: + 49 7351 56-0 Fax: + 49 7351 56-1488 Contact: Safety officer for medical devices

<b>1.4. Emergency number</b>
Fire department, national emergency number Germany: 112

### 2. COMPOSITION/INFORMATION ON COMPONENTS

- Silicone grease paste with methyl silicone oil
- Polytetrafluoroethylene (PTFE)

Identification-requiring Component	CAS No.	EINECS No.	Mass fraction	Symbol	R phrases
none	–	–	–	–	–

### 3. POSSIBLE HAZARDS

Risk phrase:

- Preparation is not rated hazardous according to Directive 1999/45/EC.

Additional hazard instructions for people and the environment:

- The product belongs to the category of silicone greases with PTFE. In conveying systems with high pressure generation and small line cross sections, products in this category can generate explosive decomposition reactions.
- Avoid air suction, small line cross sections, high pressures and rapid pressure rise.
- Vent the system thoroughly prior to going into operation.

#### 4. FIRST AID

After inhalation	▶ Supply fresh air.
	▶ If symptoms remain, consult a doctor and bring the safety data sheet/label.
After skin contact	▶ Wash immediately with soap and water and rinse thoroughly.
After eye contact	▶ Keep eyes open and rinse them for several minutes with running water.
	▶ If symptoms remain, consult a doctor and bring the safety data sheet/label.
After swallowing	▶ If symptoms remain, consult a doctor and bring the safety data sheet/label.

#### 5. FIREFIGHTING MEASURES

Suitable extinguishing agents	<ul style="list-style-type: none"> <li>▪ Water fog</li> <li>▪ Dry powder</li> <li>▪ Foam</li> <li>▪ Carbon dioxide (CO<sub>2</sub>)</li> </ul>
Unsuitable extinguishing agents	▶ Do not use full water jet.
Special hazards	<p>The following can be released in the event of a fire:</p> <ul style="list-style-type: none"> <li>▪ Carbon monoxide (CO)</li> <li>▪ Hydrocarbons</li> <li>▪ Traces of fluorinated products</li> </ul>
Special protective equipment	▶ Do not breath in fumes from explosions and fires.
	▶ Follow standard procedures in the event of a chemical fire.



#### Note

Container must be removed from the area threatened by fire if this is possible without endangerment. Otherwise cool with water. Do not inhale vapours and smoke fumes.

## 6. MEASURES FOR UNINTENTIONAL RELEASE

Personal precautionary measures	Not necessary
Environmental measures	<ul style="list-style-type: none"> <li>▶ Drained product may not enter the sewer system and/or ground water; e.g. install oil barriers made of universal bonding agent before the floor drains.</li> </ul>
Cleaning procedure	<ul style="list-style-type: none"> <li>▶ Pick up using mechanical means.</li> </ul>
	<ul style="list-style-type: none"> <li>▶ Treat recovered material as prescribed in item 13.</li> </ul>

## 7. HANDLING AND STORAGE

7.1. Handling
<ul style="list-style-type: none"> <li>▶ Use high-pressure hoses in mint condition when using with lubrication equipment.</li> </ul>
<ul style="list-style-type: none"> <li>▶ In consultation with the manufacturer of the application technology in use, define the technical conditions necessary to ensure the safe conveying of grease.</li> </ul>
<ul style="list-style-type: none"> <li>▶ Apply the minimum possible pressures when processing, ensure a slow pressure rise and use large line cross sections.</li> </ul>
<ul style="list-style-type: none"> <li>▶ Avoid air suction.</li> </ul>

7.2. Storage
<ul style="list-style-type: none"> <li>▶ Store in properly sealed drums and ensure that the product remains cool and dry.</li> </ul>
<ul style="list-style-type: none"> <li>▶ Store separately from foods, beverages and feed.</li> </ul>
<ul style="list-style-type: none"> <li>▶ Store separately from oxidants.</li> </ul>
Storage class according to VCI: 11

7.3. Specified use
<ul style="list-style-type: none"> <li>▶ Only employ in accordance with the intended use.</li> </ul>
<b>See also:</b> Processing instructions

## 8. RESTRICT EXPOSURE AND WEAR PERSONAL PROTECTIVE GEAR

8.1. Exposure threshold
The product does not contain any substances with workplace thresholds (according to TRGS 900).

<b>8.2. Limiting and monitoring exposure</b>	
8.2.1. Limiting and monitoring exposure at the workplace	▶ Avoid contact with eyes, skin and clothing.
	▶ Do not eat, drink or smoke or use snuff at the workplace.
	▶ Wash hands before breaks and at the end of the working day.
	▶ Remove soiled, soaked clothing immediately.
8.2.1.1. Respiratory protection	Not necessary
8.2.1.2. Gloves	▶ Use protective skin cream.
8.2.1.3. Safety goggles	▶ Wear safety glasses.
8.2.1.4. Personal protective equipment	Not necessary if used properly.
8.2.2. Limiting and monitoring environmental exposure	Not necessary if used properly.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1. General information</b>	
Appearance	Shape: Paste-like Colour: white
Odour	Product-specific

<b>9.2. Important information on health, environmental protection and safety</b>	
pH	Not applicable
Change in state	> 230°C (DIN ISO 2176)
Dripping point	
Flashpoint	Not applicable
Flammability	Not applicable
Explosion hazard	non-explosive
Fire-promoting	not determined
Benefits	
Vapour pressure	Not applicable
Relative density	1.25 g/cm <sup>3</sup> at 20°C in acc. with DIN 51757
Solubility	in water: insoluble in alcohol: not determined
Distribution coefficient	not determined
Viscosity	not determined
Vapour density	
Evaporation speed	not determined

<b>9.3. Other information</b>	
No data known	

## 10. STABILITY AND REACTIVITY

### 10.1. Conditions to be avoided

No data known

### 10.2. Substances to be avoided

Oxidant

### 10.3. Hazardous decomposition products

- > 150°C: Possibility of the elimination of small quantities of formaldehyde.
- > 280°C: Risk of the formation of toxic pyrolysis products containing fluoride.

## 11. TOXICOLOGICAL INFORMATION

Inhalation	–
Swallowing	–
Skin contact	Prolonged skin contact can lead to irritation and/or dermatitis.
Eye contact	–

## 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity

No data known

### 12.2. Mobility

No data known

### 12.3. Persistence and biodegradability

No data known

### 12.4. Bioaccumulation potential

No data known

### 12.5. Other harmful effects

Water pollution class 1 (self rating): slightly water polluting

- ▶ Do not allow to enter the sewerage system, surface water or surface waterways.

## 13. DISPOSAL INSTRUCTIONS



### Note

Observe local and national regulations.

Waste code according to the European waste catalogue (national: Ordinance on the list of wastes AVV):

A waste code according to the European waste catalogue (EWC) cannot be specified for this product, as codes are assigned on the basis of use by the consumer.

**Note**

Containers must be properly drained. They can then be supplied to a plastic recycling facility after being properly cleaned.

Recommended cleaning agent: Water

The packaging cardboard can be recycled.

**14. INFORMATION ON TRANSPORTING****Note**

Not a hazardous substance as defined by ordinances and international law.

**15. REGULATIONS****15.1. EU regulations**

Hazard symbol/ hazard ID	-
R phrases	-
S phrases	-
Special identification	-

**15.2. National regulations**

TRGS 905	CAS No.:
Malfunction V	-
Water pollution class	WGK 1 (self rating): slightly water polluting
Information on Directive 1999/13/EC on the restric- tion of emissions of vola- tile organic compounds (VOC Directive)	-
Restriction and prohibi- tions	-
Workplace identifications according to BGV A8	-

**16. OTHER INFORMATION**

R phrases	-
Training instructions	-
Restrictions on use	-
Additional information	-
Sources	-
Revision of the safety data sheet	Revision according to Directive 2001/58/EC.



**Note**

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**Note**

Only for use in conjunction with the corresponding KaVo products according the instructions for use. Not to be used in homes or for other purposes. In case of contact or mixture with other products, check if other hazards may arise. The presented information does not free the user of the product from observing all guidelines regarding safety, hygiene, health and environmental protection.