

## Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 08.12.2006

### 1 Identification of substance

- **Product details**
- **Trade name** Funcosil OFS
- **Article number:** 0617
- **Application of the substance / the preparation** Impregnation
- **Manufacturer/Supplier:**  
Remmers Baustofftechnik GmbH  
Postfach 1255  
D-49624 Lönningen / Germany  
Tel.: 05432/83-0  
Fax: 05432/3985
- **Informing department:**  
Product Safety department: Tel.: +49 (0)5432/83-138/-538  
E-Mail: sales@remmers.co.uk
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U.K.: Tel.: +44 (0) 845 373 0103  
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after working hours: Tel.: +49 (0)171/6428-297

### 2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **Classification system**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** aqueous impregnation on a special silicone basis

· **Dangerous components:**

35435-21-3	Triethoxy(2,4,4-trimethylpentyl)silane	R 10	1-<2.5%
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- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **After inhalation** No special requirements.
- **After skin contact**  
Wash immediately with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water.  
Seek medical treatment.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.

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Seek medical treatment.

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**5 Fire fighting measures****· Suitable extinguishing agents**

Carbon dioxide  
Water spray jet  
Fire-extinguishing powder

**· Special hazards caused by the material, its products of combustion or flue gases:**

Formation of toxic gases is possible during heating or in case of fire.

May be released in case of fire

Carbon monoxide (CO)  
Carbon dioxide  
organic cracked products  
Ethanol

**· Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

**· Additional information** Cool endangered containers with water spray jet.**6 Accidental release measures****· Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

**· Measures for environmental protection:**

Do not allow product to reach sewage system or water bodies.

Do not allow to enter the ground/soil.

**· Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

**7 Handling and storage****· Handling**

**· Information for safe handling:** No special precautions necessary if used correctly.

**· Information about protection against explosions and fires:** The product is not flammable

**· Storage**

**· Requirements to be met by storerooms and containers:** No special requirements.

**· Information on storage in a common storage facility:** none

**· Further information about storage conditions:**

Store cool and dry in tightly closed containers.

Protect from frost.

**8 Exposure controls and personal protection**

**· Additional information about design of technical systems:** No further data; see item 7.

**· Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

**· Additional information:** The lists that were valid during compilation were used as a basis.

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- **Personal protective equipment**
- **General protective and hygienic measures**  
Observe the usual precautionary measures when handling chemicals.  
Use skin protection cream for preventive skin protection.  
Avoid contact with eyes and skin.  
Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Impervious gloves
- **Material of gloves:** Nitrile rubber, NBR
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.  
Break through time: max. 240 min (DIN EN 374).
- **Eye protection:** Safety glasses
- **Body protection:** Light weight protective clothing

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Whitish
<b>Odour:</b>	Weak, characteristic

### · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	100°C

· **Flash point:** Not applicable

· **Ignition temperature:**

· **Decomposition temperature:** > 100°C

· **Self-inflammability:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive.

· **Vapour pressure at 20°C:** 23 mbar

· **Density at 20°C** 1.0 g/cm<sup>3</sup>

### · Solubility in / Miscibility with

**Water:** Fully miscible

· **pH-value at 20°C:** 5.42

### · Viscosity:

<b>dynamic at 20°C:</b>	ca. 10 mPas
	rotational viscometer
<b>kinematic at 20°C:</b>	10 s (DIN 53211/4)
	bei 20 ° C 45 s DIN 53211/2

### · Solvent content:

**Organic solvents:** 0.0 %

## 10 Stability and reactivity

### · Thermal decomposition / conditions to be avoided:

- No decomposition if used according to specifications.
- No decomposition if handled and stored according to specifications.

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- **Materials to be avoided:** none known
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** > 100 °C: Ethanol

## 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
Active Substance Component      oral      > 5100 mg/kg      rat
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Additional toxicological information:**  
The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

## 12 Ecological information:

- **General notes:**  
Water hazard class 1 : slightly hazardous to water.  
Do not allow to reach ground water or bodies of water. May not be led undiluted into sewer systems.

## 13 Notes on disposal:

- **Product:**
- **Recommendation**  
After strongly diluting smaller amounts with water, the product can be discharged into the sewer system. Local, official regulations must be observed.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

## 14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** /

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** /

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** /

- **Transport/Additional information:** Not a hazardous good according to the above regulations.

## 15 Regulatory information

- **Designation according to EC guidelines:**  
Observe normal safety precautions for handling chemicals  
The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).

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- **National regulations**
- **Water hazard class:**  
Water hazard class 1: slightly hazardous to water.  
according to appendix 4 VwVwS
- **Other regulations, limitations and prohibition ordinances**  
Observe the usual protective measures when working and for storage.

**16 Other information:**

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.  
Delivery specifications are found in the respective Technical Information Sheets.

- **Relevant R-phrases**  
10 Flammable.
- **Department issuing data specification sheet:** Product Safety department

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