

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31



Printing date 09.09.2010

Revision: 23.03.2010

## 1 Identification of substance

- **Product details**
- Trade name **Funcosil FC**
- **Article number:** 0711
- **Application of the substance / the preparation** Hydrophobing agent/ water repellent
- **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
- **Emergency information:**  
during working hours:  
U.K.: Tel.: +44 (0) 845 373 0103  
Far East: Tel.: +65( 0) 67410277  
Head Office Germany: Tel.: +49 (0)5432 83 185  
after working hours: Tel.: +49 (0)171/6428-297

## 2 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**  
R 38 Irritating to skin.
- **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:** Siloxane-emulsion

- **Dangerous components:**

CAS: 90622-58-5 EINECS: 292-460-6	Alkanes, C11-15-iso-	Xn; R 65-66	20-40%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	Xn; R 65	1-2.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

- **General information**  
Immediately remove any clothing soiled by the product.  
In case of irregular breathing or respiratory arrest, provide artificial respiration.

(Contd. on page 2)

## Trade name **Funcosil FC**

(Contd. of page 1)

- **After inhalation**  
Take affected persons into the open air and position comfortably  
Seek medical treatment in case of complaints.
- **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.  
Call a doctor immediately.  
Keep the person affected quiet.
- **Information for doctor**
- **The following symptoms may occur:**  
In case of prolonged/repeated exposure or in high concentrations:  
Headache  
Dizziness

## 5 Fire fighting measures

- **Suitable extinguishing agents**  
Fire-extinguishing powder  
Alcohol-resistant foam  
Carbon dioxide  
Water spray jet
- **Special hazards caused by the material, its products of combustion or flue gases:**  
May be released in case of fire  
Carbon monoxide (CO)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

- **Person-related safety precautions:**  
Particular danger of slipping on leaked/spilled product.  
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:**  
Collect mechanically.  
Send for recovery or disposal in suitable containers.  
Ensure adequate ventilation.
- **Additional information:** See Section 13 for information on disposal.

## 7 Handling and storage

- **Handling**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:**  
Fumes can combine with air to form an explosive mixture.

(Contd. on page 3)

Trade name **Funcosil FC**

(Contd. of page 2)

- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information on storage in a common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
  - Store cool and dry in tightly closed containers.
  - Store container in a well ventilated position.
  - Protect from frost.
  - Protect from humidity and keep away from water.
  - Protect from heat and direct sunlight.

## 8 Exposure controls and personal protection

- **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.
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Keep away from food, beverages and animal feed.
  - Immediately remove soiled, saturated clothing.
  - Do not eat, drink or smoke while working.
  - Use skin protection cream for preventive skin protection.
  - Wash hands before pauses and after work.
  - Avoid contact with eyes and skin.
  - Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**
  - Respiratory protection if there is a risk of splashes/mist.
  - Short term filter device:
  - Filter A/P2.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
  - Break through time: max. 240 min (DIN EN 374).
  - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
  - Safety glasses
  - if there is a risk of splashes
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Pasty
<b>Colour:</b>	milky-cloudy
<b>Odour:</b>	Nearly odourless

### · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined

<b>Flash point:</b>	> 61°C
---------------------	--------

<b>Self-inflammability:</b>	Product is not self-igniting.
-----------------------------	-------------------------------

(Contd. on page 4)

**Trade name Funcosil FC**

(Contd. of page 3)

· <b>Danger of explosion:</b>	Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.
· <b>Density at 20°C</b>	0.84 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	miscible
· <b>Viscosity: dynamic at 20°C:</b>	3000 - 8000 mPas
· <b>Solvent content: Organic solvents:</b>	ca. 40 %

## 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.  
Avoid: heat, flames, sparks
- **Materials to be avoided:** Strong acids, strong bases and strong oxidising agents.
- **Dangerous reactions**  
Reacts with strong oxidising agents  
Used empty containers may contain product gases which form explosive mixtures with air
- **Dangerous decomposition products:**  
None if used properly.  
None if stored properly.

## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**2943-75-1 triethoxyoctylsilane**

Oral	LD50	> 5110 mg/kg (Ratte)
------	------	----------------------

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

- **Primary irritant effect:**
- **on the skin:**  
May cause irritation.  
Dries skin out.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effect known.

## 12 Ecological information:

- **General notes:**  
Water hazard class 1 : slightly hazardous to water.  
Do not allow product to reach ground water, bodies of water or sewage system.

GB

(Contd. on page 5)

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2010

Revision: 23.03.2010

Trade name **Funcosil FC**

(Contd. of page 4)

## 13 Notes on disposal:

- **Product:**

- **Recommendation**

Do not dispose of together with household garbage. Do not allow product to reach sewage system. The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

## 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:**

The product has been classified and labelled in accordance with EC Guidelines / relevant national laws. Observe normal safety precautions for handling chemicals

- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**

38 Irritating to skin.

- **Safety phrases:**

2 Keep out of the reach of children.

24 Avoid contact with skin.

46 If swallowed, seek medical advice immediately and show this container or label.

- **National regulations**

- **Water hazard class:**

Water hazard class 1: slightly hazardous to water.  
according to appendix 4 VwVwS

(Contd. on page 6)

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2010

Revision: 23.03.2010

**Trade name Funcosil FC**

(Contd. of page 5)

**· 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**

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

**· Department issuing data specification sheet:** Product Safety department

GB