

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 3

Revision: 23.03.2015

\* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

\* **1.1 Product identifier**

\* **Trade name** **Funcosil FC**

\* **Article number:** 0000071100

\* **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

\* **Application of the substance / the mixture** Hydrophobing agent/ water repellent

\* **1.3 Details of the supplier of the safety data sheet**

\* **Manufacturer/Supplier:**

Remmers GmbH  
Postfach 1255  
D-49624 Lönningen / Germany  
Tel.: +49(0)5432/83-0  
Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit B1 The Fleming Centre  
West Sussex RH10 9NN  
fon +44 (0) 1293 594 010  
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\* **Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010  
E-Mail: sales@remmers.co.uk

\* **1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

\* **SECTION 2: Hazards identification**

\* **2.1 Classification of the substance or mixture**

\* **Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

\* **2.2 Label elements**

\* **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

\* **Hazard pictograms**



GHS07

\* **Signal word** Warning

\* **Hazard statements**

H315 Causes skin irritation.

\* **Precautionary statements**

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves.

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P264 Wash thoroughly after handling.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

#### \* 2.3 Other hazards

#### \* Results of PBT and vPvB assessment

\* **PBT:** Not applicable.

\* **vPvB:** Not applicable.

### \* SECTION 3: Composition/information on ingredients

#### \* 3.2 Chemical characterisation: Mixtures

\* **Description:** Mixture of the substances listed below with harmless additions.

#### \* Dangerous components:

CAS: 2943-75-1	triethoxyoctylsilane	20-40%
EINECS: 220-941-2	Skin Irrit. 2, H315	
Reg.nr.: 01-2119972313-39-XXXX		
EC number: 918-167-1	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	10-20%
Reg.nr.: 01-2119472146-39-XXXX	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413	
EC number: 920-107-4	Alkanes, C12-15-iso-	10-20%
Reg.nr.: 01-2119453414-43-XXXX	Asp. Tox. 1, H304	
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light	≤1.0%
	Flam. Liq. 1, H224	

\* **Additional information** For the wording of the listed hazard phrases refer to section 16.

### \* SECTION 4: First aid measures

#### \* 4.1 Description of first aid measures

##### \* After inhalation

Take affected persons into the open air and position comfortably.  
 Seek medical treatment in case of complaints.  
 In case of unconsciousness bring patient into stable side position for transport.

##### \* After skin contact

If skin irritation continues, consult a doctor.  
 Wash immediately with water and soap and rinse thoroughly.

##### \* After eye contact

Seek medical treatment.

##### \* After swallowing

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

#### \* 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.  
 In case of prolonged/repeated exposure or in high concentrations:  
 Headache  
 Dizziness

#### \* 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### \* SECTION 5: Firefighting measures

#### \* 5.1 Extinguishing media

##### \* Suitable extinguishing agents

Fire-extinguishing powder  
 Alcohol-resistant foam  
 Carbon dioxide  
 Water spray jet

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### \* **5.2 Special hazards arising from the substance or mixture**

May be released in case of fire  
Carbon monoxide (CO)

### \* **5.3 Advice for firefighters**

\* **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.

## \* **SECTION 6: Accidental release measures**

### \* **6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation

### \* **6.2 Environmental precautions:**

Do not allow to enter the ground/soil.  
Dilute with plenty of water.

### \* **6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable containers.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### \* **6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## \* **SECTION 7: Handling and storage**

### \* **7.1 Precautions for safe handling**

Use only in well ventilated areas.  
Ensure good ventilation/exhaust in workplaces.  
Avoid the formation of aerosols.

### \* **Information about protection against explosions and fires:**

Fumes can combine with air to form an explosive mixture.

### \* **7.2 Conditions for safe storage, including any incompatibilities**

#### \* **Storage**

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

\* **Information on storage in a common storage facility:** Store away from oxidising agents.

#### \* **Further information about storage conditions:**

Store container in a well ventilated position.  
Protect from frost.  
Protect from humidity and keep away from water.

\* **7.3 Specific end use(s)** No further relevant information available.

## \* **SECTION 8: Exposure controls/personal protection**

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

### \* **8.1 Control parameters**

#### \* **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.

### \* **8.2 Exposure controls**

#### \* **Personal protective equipment**

#### \* **General protective and hygienic measures**

Do not eat, drink or smoke while working.  
Use skin protection cream for preventive skin protection.  
Keep away from food, beverages and animal feed.  
Immediately remove soiled, saturated clothing.  
Wash hands before pauses and after work.

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Avoid contact with eyes and skin.

**\* Respiratory equipment:**

Respiratory protection if there is a risk of splashes/mist.

Short term filter device:

Filter A/P2.

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

**\* Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**\* Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**\* 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:** if there is a risk of splashes

**\* Body protection:** Protective work clothing.

### **SECTION 9: Physical and chemical properties**

**\* 9.1 Information on basic physical and chemical properties**

**\* General Information**

**\* Appearance:**

**Form:**

Pasty

**Colour:**

Whitish

**\* Odour:**

Solvent-like

**\* Odour threshold:**

Not determined.

**\* pH-value:**

Not determined.

**\* Change in condition**

**Melting point/Melting range:**

Not determined

**Boiling point/Boiling range:**

Not determined

**\* Flash point:**

> 61 °C

**\* Inflammability (solid, gaseous)**

Not applicable.

**\* Ignition temperature:**

not applicable

**\* Decomposition temperature:**

Not determined.

**\* Self-inflammability:**

Product is not self-igniting.

**\* Danger of explosion:**

Product is not explosive.

**\* Explosive Limits:**

**Lower:**

Not determined.

**Upper:**

Not determined.

**\* Vapour pressure at 20 °C:**

23 hPa

**\* Density at 20 °C**

0.84 g/cm<sup>3</sup>

**\* Relative density**

Not determined.

**\* Vapour density**

Not determined.

**\* Evaporation rate**

Not determined.

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- \* **Solubility in / Miscibility with Water:** miscible
- \* **Distribution coefficient (n-octanol/water):** Not determined.
- \* **Viscosity:**
  - dynamic at 20 °C: 5500 mPas
  - kinematic: Not determined.
- \* **Solvent content:** < 40 %
- \* **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- \* **10.1 Reactivity** No further relevant information available.
- \* **10.2 Chemical stability**
- \* **Thermal decomposition / conditions to be avoided:**  
No decomposition if handled and stored according to specifications.  
Avoid: heat, flames, sparks
- \* **10.3 Possibility of hazardous reactions**  
Reacts with strong oxidising agents  
Used empty containers may contain product gases which form explosive mixtures with air
- \* **10.4 Conditions to avoid** No further relevant information available.
- \* **10.5 Incompatible materials:** No further relevant information available.
- \* **10.6 Hazardous decomposition products:**  
None if used properly.  
None if stored properly.

### SECTION 11: Toxicological information

- \* **11.1 Information on toxicological effects**
- \* **Acute toxicity:** Based on available data, the classification criteria are not met.
- \* **LD/LC50 values that are relevant for classification:**  
Inhalative LC50/4 h 500 mg/l (rat) (ATE)
- CAS: 2943-75-1 triethoxyoctylsilane**  
Oral LD50 > 5110 mg/kg (rat)
- \* **Primary irritant effect:**
- \* **Skin corrosion/irritation**  
Causes skin irritation.
- \* **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- \* **Sensitisation:** Based on available data, the classification criteria are not met.
- \* **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- \* **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- \* **Carcinogenicity** Based on available data, the classification criteria are not met.
- \* **Reproductive toxicity** Based on available data, the classification criteria are not met.
- \* **STOT-single exposure** Based on available data, the classification criteria are not met.
- \* **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- \* **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- \* **12.1 Toxicity**
- \* **Aquatic toxicity:** No further relevant information available.
- \* **12.2 Persistence and degradability** No further relevant information available.
- \* **12.3 Bioaccumulative potential** No further relevant information available.
- \* **12.4 Mobility in soil** No further relevant information available.
- \* **Additional ecological information:**
- \* **General notes:** Do not allow product to reach ground water, bodies of water or sewage system.

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\* **12.5 Results of PBT and vPvB assessment**

\* **PBT:** Not applicable.

\* **vPvB:** Not applicable.

\* **12.6 Other adverse effects** No further relevant information available.

\* **SECTION 13: Disposal considerations**

\* **13.1 Waste treatment methods**

\* **Recommendation**

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. Do not dispose of together with household garbage. Do not allow product to reach sewage system.

\* **European waste catalogue**

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.

\* **Recommended cleaning agent:** Water, if necessary with cleaning agent.

\* **SECTION 14: Transport information**

\* **14.1 UN-Number**

\* **ADR, ADN, IMDG, IATA**

Void

\* **14.2 UN proper shipping name**

\* **ADR, ADN, IMDG, IATA**

Void

\* **14.3 Transport hazard class(es)**

\* **ADR, ADN, IMDG, IATA**

\* **Class**

Void

\* **14.4 Packing group**

\* **ADR, IMDG, IATA**

Void

\* **14.5 Environmental hazards:**

\* **Marine pollutant:**

No

\* **14.6 Special precautions for user**

Not applicable.

\* **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

\* **Transport/Additional information:**

Not a hazardous good according to the above regulations.

\* **UN "Model Regulation":**

Void

\* **SECTION 15: Regulatory information**

\* **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

\* **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

\* **National regulations**

\* **Other regulations, limitations and prohibition ordinances**

Observe the usual protective measures when working and for storage.

\* **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

\* **SECTION 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 phrases**

H224 Extremely flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H413 May cause long lasting harmful effects to aquatic life.

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\* **Department issuing data specification sheet:** Product Safety department / EHS

\* **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 1: Flammable liquids – Category 1

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

