

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 12.11.2015

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

#### \* 1.1 Product identifier

\* Trade name **Funcosil C 40**

\* Article number: 0704

#### \* 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 Anti-moisture agent

#### \* 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  
fax +44 (0) 1293 594 037

##### \* 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

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash thoroughly after handling.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

\* **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:** Alkyl alkoxy silane and -siloxane, emulsion in water\* **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%
EINECS: 265-149-8	Flam. Liq. 3, H226; Asp. Tox. 1, H304	
Index number: 649-422-00-2		

\* **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 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** Rinse opened eye for several minutes under running water.\* **After swallowing**

Rinse out mouth immediately with plenty of water and administer plenty of water in small swallows (diluting effect).

Induce vomiting and call for medical help.

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

No further relevant information available.

\* **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

Dry sand

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- \* **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- \* **5.3 Advice for firefighters**
- \* **Protective equipment:** No special measures required.

#### 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:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- \* **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.
- \* **Information about protection against explosions and fires:** No special requirements.
- \* **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:** none
- \* **Further information about storage conditions:**  
Protect from frost.  
Avoid heating above 50 °C.  
Do not store below -5 °C.
- \* **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.  
Avoid contact with eyes and skin.
- \* **Respiratory equipment:**  
In case of a risk of inhaling, wear half-mask with combination filter for organic vapours and particles.  
Filter A/P2.
- \* **Protection of hands:**  
Impervious gloves  
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

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**\* Material of gloves**

Rubber gloves

PVC gloves

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**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**\* Eye protection:** Safety glasses recommended during refilling.

**\* 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:**

White

**\* Odour:**

Odourless

**\* 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:**

&gt; 61 °C (Setaflash)

**\* 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:**

Not determined.

**\* Density at 20 °C**

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

**\* Relative density**

Not determined.

**\* Vapour density**

Not determined.

**\* Evaporation rate**

Not determined.

**\* Solubility in / Miscibility with**

**Water:**

Fully miscible

**\* Distribution coefficient (n-octanol/water):** Not determined.

**\* Viscosity:**

**dynamic at 20 °C:**

4000-7000 mPas

**kinematic:**

Not determined.

**\* Solvent separation test**

&lt; 3 %

**\* Organic solvents:**

38.3 %

**\* 9.2 Other information**

No further relevant information available.

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### 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.
- \* **10.3 Possibility of hazardous reactions** Reacts with water to form alcohol.
- \* **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:**
- ATE (Acute Toxicity Estimates)**  
Inhalative LC50/4 h 500 mg/l (rat)
- 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.
- \* **Other information (on experimental toxicology):**  
Aerosols mist produced on the basis of amino functional siloxanes (made of organic solutions and aqueous emulsions) has been shown to cause health damage through inhalation in experiments with animals.
- \* **Additional toxicological information:**  
Hydrolysis product: Ethanol (64-17-5) is irritating to mucous membranes, slightly irritating to skin, dries skin out, has a narcotic effect and may cause liver damage.
- \* **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 to reach ground water or bodies of water. May not be led undiluted into sewer systems.  
Do not allow product to reach ground water, bodies of water or sewage system.  
Do not allow undiluted or larger quantities of the product to reach ground water, bodies fo water or sewage system.
- \* **12.5 Results of PBT and vPvB assessment**
- \* **PBT:** Not applicable.

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\* **vPvB:** Not applicable.\* **12.6 Other adverse effects** No further relevant information available.

#### \* SECTION 13: Disposal considerations

##### \* 13.1 Waste treatment methods

###### \* Recommendation

After strongly diluting smaller amounts with water, the product can be discharged into the sewer system. Local, official regulations must be observed.

Larger amounts must be disposed of as special refuse in compliance with official regulations.

###### \* 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

##### \* 14.2 UN proper shipping name

\* ADR, ADN, IMDG, IATA

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

\* ADR, ADN, IMDG, IATA

##### \* Class

##### \* 14.4 Packing group

\* ADR, IMDG, IATA

##### \* 14.5 Environmental hazards:

###### \* Marine pollutant:

##### \* 14.6 Special precautions for user

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

##### \* Transport/Additional information:

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

Void

Void

Void

Void

No

Not applicable.

Not applicable.

Not a hazardous good according to the above regulations.

Void

#### \* SECTION 15: Regulatory information

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

###### \* Directive 2012/18/EU

\* **Named dangerous substances - ANNEX I** None of the ingredients is listed.

\* **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

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.

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

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**\* 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. 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

