

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 3

Revision: 04.02.2016

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

#### \* 1.1 Product identifier

\* Trade name **Funcosil SNL**

\* Article number: 0602

#### \* 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  
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

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

#### \* 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



GHS02 GHS07 GHS08

##### \* Signal word Danger

##### \* Hazard-determining components of labelling:

Alkanes, C9-11-iso-

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**\* Hazard statements**

H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.  
 H304 May be fatal if swallowed and enters airways.

**\* 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.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P233 Keep container tightly closed.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**\* Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
 EUH208 Contains trimethoxy(methyl)silane. May produce an allergic reaction.

**\* 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:**

EC number: 919-857-5	Alkanes, C9-11-iso-	80-100%
Reg.nr.: 01-2119463258-33-XXXX	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	
CAS: 1185-55-3	trimethoxy(methyl)silane	≤1.0%
EINECS: 214-685-0	Flam. Liq. 2, H225; Skin Sens. 1, H317	
Reg.nr.: 01-2119517436-40-XXXX		
CAS: 556-67-2	octamethylcyclotetrasiloxane	≤0.5%
EINECS: 209-136-7	Flam. Liq. 3, H226; Repr. 2, H361f; Aquatic Chronic 4,	
Index number: 014-018-00-1	H413	
Reg.nr.: 01-2119529238-36-XXXX		

**\* Additional information**

Benzene content: < 0,1% Note P is applicable. It is not necessary to classify nor to mark the product as carcinogenic (R 45). (Recommendation 94/69/EG (21. ATP))  
 For the wording of the listed hazard phrases refer to section 16.

**\* SECTION 4: First aid measures****\* 4.1 Description of first aid measures****\* General information**

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

**\* After inhalation**

Take affected persons into the open air and position comfortably  
 Seek medical treatment in case of complaints.

**\* After skin contact** If skin irritation continues, consult a doctor.**\* After eye contact** Seek medical treatment.**\* After swallowing** Drink plenty of water and provide fresh air. Call a doctor immediately.

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**\* 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**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**\* For safety reasons unsuitable extinguishing agents** Water with a full water jet.**\* 5.2 Special hazards arising from the substance or mixture**

May be released in case of fire

Carbon monoxide (CO)

Formation of poisonous gases during heating or in fires.

Vapours are heavier than air and spread out over the ground. Ignition over greater distances is possible.

**\* 5.3 Advice for firefighters****\* Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

Put on breathing apparatus.

**\* Additional information**

Cool endangered containers with water spray jet.

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**

Ensure adequate ventilation

Keep away from ignition sources

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

**\* 6.2 Environmental precautions:**

Do not allow to enter the ground/soil.

Prevent from spreading (e.g. by confining or oil barrier).

**\* 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).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

**\* 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.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep breathing equipment ready.

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**\* 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:**

Suitable material for containers and pipes: Light metals and their alloys.

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

Store container in a well ventilated position.

Protect from frost.

Protect from humidity and keep away from water.

Do not smoke in storage areas. Storage temperature: room temperature.

Keep container tightly closed.

**\* 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.

Apply solvent-resistant skin protection preparation before beginning work.

Keep away from food, beverages and animal feed.

Wash hands before pauses and after work.

**\* Respiratory equipment:**

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

In case of high concentrations, use respiratory protection.

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:**

Solvent resistant 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 through 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

Tightly sealed safety glasses.

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

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

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

##### \* General Information

##### \* Appearance:

Form: Fluid

Colour: clear

\* Odour: Benzen-like

\* Odour threshold: Not determined.

\* pH-value: Not determined.

##### \* Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: 162-192 °C

\* Flash point: 40 °C (Abel Pensky)

\* Inflammability (solid, gaseous) Not applicable.

\* Ignition temperature: 240 °C  
solvent naphtha

\* Decomposition temperature: Not determined.

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

\* Danger of explosion: Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.

##### \* Explosive Limits:

Lower: Not determined.

Upper: Not determined.

\* Vapour pressure: Not determined.

\* Density at 20 °C 0.8 g/cm<sup>3</sup>

\* Relative density Not determined.

\* Vapour density Not determined.

\* Evaporation rate Not determined.

##### \* Solubility in / Miscibility with

Water: Not miscible or difficult to mix

\* Distribution coefficient (n-octanol/water): 5.0 - 6.7 log POW  
solvent naphtha

##### \* Viscosity:

dynamic: Not determined.

kinematic at 20 °C: 44 s (DIN 53211/2)

\* Solvent separation test < 3 %

\* 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.

##### \* 10.3 Possibility of hazardous reactions

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.

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### \* 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:** No further relevant information available.

#### \* **Primary irritant effect:**

\* **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

\* **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**

May cause drowsiness or dizziness.

\* **STOT-repeated exposure** Based on available data, the classification criteria are not met.

#### \* **Aspiration hazard**

May be fatal if swallowed and enters airways.

### \* 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.

#### \* **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**

Liquid material remains are to be disposed of at collection facilities for old varnishes.

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**

07 01 04\* other organic solvents, washing liquids and mother liquors

##### \* **Uncleaned packaging:**

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

### \* SECTION 14: Transport information

#### \* 14.1 UN-Number

\* **ADR, IMDG, IATA**

UN1993

#### \* 14.2 UN proper shipping name

\* **ADR**

1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

\* **IMDG**

FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

\* **IATA**

Flammable liquid, n.o.s. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

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

**\* Class** 3 (F1) Flammable liquids.  
**\* Label** 3

**\* IMDG, IATA**

**\* Class** 3 Flammable liquids.  
**\* Label** 3  
**\* 14.4 Packing group**  
**\* ADR, IMDG, IATA** III  
**\* 14.5 Environmental hazards:**  
**\* Marine pollutant:** No  
**\* 14.6 Special precautions for user** Warning: Flammable liquids.  
**\* Kemler Number:** 30  
**\* EMS Number:** F-E,S-E  
**\* Stowage Category** A  
**\* 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

**\* Transport/Additional information:****\* ADR**

**\* Limited quantities (LQ)** 5L  
**\* Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml  
**\* Transport category** 3  
**\* Tunnel restriction code** D/E

**\* IMDG**

**\* Limited quantities (LQ)** 5L  
**\* Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml  
**\* UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S.  
 (HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS), 3, III

### \* 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.**\* Seveso category** P5c FLAMMABLE LIQUIDS**\* Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t**\* Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t**\* REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**\* 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## \* 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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H413 May cause long lasting harmful effects to aquatic life.

\* **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. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Skin Sens. 1: Skin sensitisation – Category 1
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4