

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.07.2014

Version number 1

Revision: 28.07.2014

#### 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 Baustofftechnik GmbH

Postfach 1255

D-49624 Lönigen / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

###### Informing department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 845 373 0103

E-Mail: sales@remmers.co.uk

##### 1.4 Emergency telephone number:

during working hours:

U.K.: Tel.: +44 (0) 845 373 0103

sales@remmers.co.uk

Far East: Tel.: +65 (0) 67410277

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

info@remmers.de

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

#### 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.

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

STOT SE 3 H336 May cause drowsiness or dizziness.

###### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

###### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotizing effect.

###### 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.

##### 2.2 Label elements

###### Labelling according to Regulation (EC) No 1272/2008

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

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**Hazard pictograms**

GHS02 GHS07 GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

Alkanes, C9-11-iso-

**Hazard statements**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - 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 or doctor/physician.

P331 Do NOT induce vomiting.

P403+P235 Store in a well-ventilated place. Keep cool.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**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 characterization: Mixtures****Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

EC number: 919-857-5	Alkanes, C9-11-iso- Xn R65 R10-66 Flam. Liq. 3, H226; Asp. Tox. 1, H304	80-100%
CAS: 35435-21-3 Reg.nr.: n. a.	Triethoxy(2,4,4-trimethylpentyl)silane R10 Flam. Liq. 3, H226	5-10%

**Additional information**

Benzene content: &lt; 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 risk 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.

**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**

Foam

Water spray jet

Water mist

**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)

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

Wear self-contained breathing apparatus.

Wear full protective suit.

**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

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.

**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.

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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.

Do not inhale gases / vapours / aerosols.

**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.

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Trade name **Funcosil SNL****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:

<b>Form:</b>	Fluid
<b>Colour:</b>	clear
<b>Odour:</b>	Benzen-like
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not determined.

#### Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	162 - 192 °C solvent naphtha Not determined

**Flash point:** ca. 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:

<b>Lower:</b>	0.6 Vol % solvent naphtha
<b>Upper:</b>	8.0 Vol % solvent naphtha

**Vapour pressure:** Not determined.

<b>Density at 20 °C</b>	0.8 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	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  
Not determined.

#### Viscosity:

<b>dynamic:</b>	Not determined.
<b>kinematic at 20 °C:</b>	44 s (DIN 53211/2)

**9.2 Other information** No further relevant information available.

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### SECTION 10: Stability and reactivity

**10.1 Reactivity****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.

### SECTION 11: Toxicological information

**11.1 Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** No irritating effect.**on the eye:** No irritating effect.**Sensitisation:** No sensitising effect known.**Additional toxicological information:**

The product shows the following dangers based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

### 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.

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

**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.

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## SECTION 14: Transport information

**14.1 UN-Number**  
**ADR, IMDG, IATA**

UN1993

**14.2 UN proper shipping name**  
**ADR**  
**IMDG, IATA**

 1993 FLAMMABLE LIQUID, N.O.S. (Alkanes, C9-11-iso-)  
 FLAMMABLE LIQUID, N.O.S. (Alkanes, C9-11-iso-)

**14.3 Transport hazard class(es)**

ADR


**Class**  
**Label**

 3 (F1) Flammable liquids.  
 3

IMDG, IATA


**Class**  
**Label**

 3 Flammable liquids.  
 3

**14.4 Packing group**  
**ADR, IMDG, IATA**

III

**14.5 Environmental hazards:**  
**Marine pollutant:**

No

**14.6 Special precautions for user**  
**Kemler Number:**  
**EMS Number:**

 Warning: Flammable liquids.  
 30  
 F-E,S-E

**14.7 Transport in bulk according to Annex II of**  
**MARPOL73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:**

ADR

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

 5L  
 Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

**Transport category**  
**Tunnel restriction code**

 3  
 D/E

IMDG

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

 5L  
 Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":**

UN1993, FLAMMABLE LIQUID, N.O.S. (Alkanes, C9-11-iso-), 3, III

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## SECTION 15: Regulatory information

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

No further relevant information available.

**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.

R10 Flammable.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

**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 Harmonized 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)

Flam. Liq. 3: Flammable liquids, Hazard Category 3

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1