

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

Printing date 18.11.2019

Version number 3

Revision: 18.11.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name** Funcosil SNL 2000**Article number:** 0648**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

Product category PC15 Non-metal-surface treatment products**Process category**

PROC10 Roller application or brushing

PROC11 Non industrial spraying

Environmental release category

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC8c Widespread use leading to inclusion into/onto article (indoor)

Article category AC4 Stone, plaster, cement, glass and ceramic articles**Technical function** Waterproofing agent**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Remmers GmbH

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D-49624 Lönigen / Germany

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Fax: +49(0)5432/3985

Information department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010

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Remmers (UK) Limited
Unit B1 The Fleming Centre
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fon +44 (0) 1293 594 010
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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

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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.

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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:**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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

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

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

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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 Reg.nr.: 01-2119463258-33-XXXX	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	≥80-100%
CAS: 35435-21-3 Reg.nr.: 01-2119555666-27-XXXX	Triethoxy(2,4,4-trimethylpentyl)silane Flam. Liq. 3, H226	≥2.5-<5%

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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

General information

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

Immediately remove any clothing soiled by the product.

After inhalation Take affected persons into the open air and position comfortably

After skin contact Wash off immediately with water.

After eye contact Seek medical treatment.

After swallowing

Do not induce vomiting. In case of prolonged discomfort, see a doctor. If the patient is conscious, give water to drink.

4.2 Most important symptoms and effects, both acute and delayed

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

nausea

Unconsciousness

Dry skin

Skin contact may cause irritation.

Danger

Swallowing followed by vomiting may lead to aspiration into the lungs which leads to suffocation or toxic pulmonary oedema.

Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

4.3 Indication of any immediate medical attention and special treatment needed

In contact with water (also in the digestive tract) the product splits off methanol in larger quantities.

Therefore methanol intoxication and a respective latency period of several days must be taken into consideration.

To avoid dermatitis (skin inflammation), use skin cream.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Foam

Water spray jet

Water mist

Dry extinguishing agents, carbon dioxide, sand or earth should only be used for small fires.

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)

(in case of incomplete combustion)

Under certain fire conditions, traces of other toxic substances cannot be excluded.

Conflagration gases from organic materials are always rated toxic for breathing.

When heated above the flash point, the formation of ignition-capable mixtures is possible.

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.

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.

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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.

Place leaking containers in a marked drum or recovery drum.

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

Fumes can combine with air to form an explosive mixture.

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 interior ventilation, especially at floor level. (Fumes are heavier than air).

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.

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 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: Use only in well-ventilated areas.

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.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the

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employer depending on the types of operations and the local circumstances. If a risk assessment on-site shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

Respiratory equipment:

In case of high concentrations, use respiratory protection.

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

Short term filter device:

Filter A (brown)

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

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

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

Eye protection: 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:	Solvent-like
Odour threshold:	Not determined.

pH-value:	Not determined.
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Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	153 °C

Flash point:	>35 °C
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Inflammability (solid, gaseous)	Not applicable.
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Ignition temperature:	>200 °C
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Decomposition temperature:	Not determined.
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Self-inflammability:	Product is not self-igniting.
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Explosive properties:	Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.
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Explosive Limits:

Lower:	0.6 Vol %
Upper:	7 Vol %

Vapour pressure at 20 °C:	2.1 hPa
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Density at 20 °C:	0.8 g/cm ³
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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):	3.7 - 6.7 log POW white spirit
Viscosity: dynamic: kinematic at 20 °C:	Not determined. 10 s (DIN 53211/4)
Solvent separation test	< 3 %
Organic solvents:	95.0 %
VOC EU	760.1 g/l
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 water forming methanol.

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: Through humidity, water and protic agents: methanol

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.

Skin corrosion/irritation: Dries skin out.

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.

Experience with humans:

After swallowing and subsequent vomiting, aspiration into the lungs may occur which leads to suffocation or toxic lung oedema.

Frequent or longer lasting skin contact may degrease and dry out skin which may lead to skin irritation and inflammation (dermatitis).

High concentrations may cause tiredness and dizziness.

Additional toxicological information:

Avoid exposure inhalation!

Caution! The product may hydrolyse in the gastro-intestinal tract and release methanol. According to literature, methanol (67-56-1) dries skin out, irritates mucous membranes and has a narcotic effect that can lead to coma or death. Skin resorption possible. After a delay in time, damage to heart, kidneys, liver and optic nerve (blindness) may occur.

Alkoxy silane: Do not inhale aerosol mist because of the risk of lung damage.

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.

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Aspiration hazard:

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**Type of test Effective concentration Method Assessment**

Data for mixture of aliphatic, naphthenic hydrocarbons:

Acute toxicity for fish: LC-50 > 100 mg/l practically non-toxic

Acute toxicity for daphnia: EC-50 > 100 mg/l practically non-toxic

Acute toxicity for alga: IC-50 > 100 mg/l practically non-toxic

Because the mixture evaporates quickly out of solution, the product does not present a significant hazard to aquatic organisms.

12.2 Persistence and degradability No further relevant information available.**Other information:**

By hydrolysis: methanol and silanol and/or siloxanol compounds.

Data for the mixture of aliphatic, naphthenic hydrocarbons: Potentially biodegradable. Fast photochemical oxidation in air.

12.3 Bioaccumulative potential

Data for mixture of aliphatic, naphthenic hydrocarbons:

Evaporation partially within one day from water or ground surfaces, however, a considerable part remains for a longer period. If larger quantities are released, these may penetrate the ground and pollute ground water. Bio-accumulation possible.

12.4 Mobility in soil No further relevant information available.**Ecotoxic effects:****Remark:** The values given are estimates.**Behaviour in sewage processing plants:****Type of test Effective concentration Method Assessment**

Data for the mixture of aliphatic, naphthenic hydrocarbons:

Acute toxicity for bacteria: $1 < IC-50 \leq 10$ mg/l toxic**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.

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SECTION 13: Disposal considerations**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.

European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

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. (TURPENTINE SUBSTITUTE, MIXTURE)
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE, MIXTURE)

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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	III
ADR, IMDG, IATA	
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Flammable liquids.
hazard identification 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. (TURPENTINE SUBSTITUTE, MIXTURE), 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

Delivery specifications are found in the respective Technical Information Sheets.

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.

Relevant phrases

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

Classification according to Regulation (EC) No 1272/2008 Calculation method

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. 3: Flammable liquids – Category 3

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1