

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2022

Version number 3 (replaces version 2)

Revision: 06.12.2022

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

1.1 Product identifier

Trade name **FUNCOSIL AS**

Article number: 0640

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 Sealing

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Remmers GmbH
Bernhard-Remmers-Str. 13
D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit 4 , Lloyds Court
Manor Royal, Crawley – West Sussex RH10 9QU
fon +44 (0) 1293 594 010
fax +44 (0) 1293 594 037

Information department:

Product Safety department: Phone: +44 (0) 1293 594 010
Email: sales@remmers.co.ukk

1.4 Emergency telephone number:

National Poisons Information Service (NPIS):
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

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 GB 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.

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Precautionary statements

- P102 Keep out of reach of children.
 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.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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].
 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.* **SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of the substances listed below with harmless additions.

Dangerous components [% w/w]:		
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, EUH066	≥85-100%
CAS: 35435-21-3 Reg.nr.: 01-2119555666-27-XXXX	Triethoxy(2,4,4-trimethylpentyl)silane Flam. Liq. 3, H226	≥2.5-<5%

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**

When symptoms occur or in case of doubt, seek medical advice

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** Rinse opened eye for several minutes under running water.**After swallowing** Seek immediate medical advice.**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.

Inhalation may have an irritating effect on mucous membranes.

Danger Long-term or repeated exposure may cause inflammation of the skin (dermatitis).**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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*** 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)

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 full protective suit.

Wear self-contained breathing apparatus.

Additional information Cool endangered containers with water spray jet.*** SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Do not allow to enter the ground/soil.**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable containers.

Clean soiled surfaces with detergent. Treat washing liquid as special refuse.

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

Danger of explosion. Inform fire department and Water Conservation Office if liquid runs off into sewers.

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 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:**

Do not store together with fire promoting and self-igniting materials as well as easily flammable solids.

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.

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Keep container tightly closed.

* SECTION 8: Exposure controls/personal protection

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

Appropriate engineering controls Use only in well-ventilated areas.

Individual protection measures, such as 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 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:

Use respiratory protection only when aerosol or mist is formed.

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.

Hand protection

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/face protection Tightly sealed safety glasses.

Body protection: Protective work clothing.

* SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Fluid

Colour:

clear

Odour:

Solvent-like

Odour threshold:

Not determined.

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range

145 °C

Flammability

Flammable.

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<p>Lower and upper explosion limit</p> <p>Lower:</p> <p>Upper:</p> <p>Flash point:</p> <p>Ignition temperature:</p> <p>Decomposition temperature:</p> <p>pH</p> <p>Viscosity:</p> <p>Kinematic viscosity at 20 °C</p> <p>dynamic:</p> <p>Solubility</p> <p>Water:</p> <p>Partition coefficient n-octanol/water (log value)</p> <p>Vapour pressure at 20 °C:</p> <p>Density and/or relative density</p> <p>Density at 20 °C:</p> <p>Relative density</p> <p>Vapour density</p>	<p>Not determined.</p> <p>Not determined.</p> <p>37 °C (Abel-Pensky)</p> <p>not applicable</p> <p>Not determined.</p> <p>Not determined.</p> <p>11 s (DIN 53211/4)</p> <p>Not determined.</p> <p></p> <p>Not miscible or difficult to mix</p> <p>white spirit</p> <p>1.7 hPa</p> <p></p> <p>0.8 g/cm³ (Aräometer)</p> <p>Not determined.</p> <p>Not determined.</p>
<p>9.2 Other information</p> <p>Appearance:</p> <p>Form:</p> <p>Important information on protection of health and environment, and on safety.</p> <p>Explosive properties:</p> <p>Solvent separation test</p> <p>Solvent content:</p> <p>Organic solvents:</p> <p>Change in condition</p> <p>Evaporation rate</p>	<p>Liquid</p> <p></p> <p>Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.</p> <p>< 3 %</p> <p>89.02 %</p> <p>89.0 %</p> <p></p> <p>Not determined.</p>
<p>Information with regard to physical hazard classes</p> <p>Explosives</p> <p>Flammable gases</p> <p>Aerosols</p> <p>Oxidising gases</p> <p>Gases under pressure</p> <p>Flammable liquids</p> <p>Flammable solids</p> <p>Self-reactive substances and mixtures</p> <p>Pyrophoric liquids</p> <p>Pyrophoric solids</p> <p>Self-heating substances and mixtures</p> <p>Substances and mixtures, which emit flammable gases in contact with water</p> <p>Oxidising liquids</p> <p>Oxidising solids</p> <p>Organic peroxides</p> <p>Corrosive to metals</p> <p>Desensitised explosives</p>	<p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Flammable liquid and vapour.</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p>

* 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

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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 hazard classes as defined in Regulation (EC) No 1272/2008**Acute toxicity:** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:****hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics**

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

Skin corrosion/irritation:

Dries skin out.

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.**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.**Experience with humans:**

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

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

* 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.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Additional ecological information:****General notes:**

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 of water or sewage system.

SECTION 13: Disposal considerations

Recommendation

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

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

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Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

SECTION 14: Transport information

14.1 UN number or ID 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, IATA	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)
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.
hazard identification number:	30
EMS Number:	F-E, <u>S</u> -E
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	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

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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

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

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

Department issuing data specification sheet: Product Safety department / EHS

Date of previous version: 12.06.2018

Version number of previous version: 2

Abbreviations and acronyms:

ADR: Accord relatif au transport international 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