

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

Printing date 28.10.2016

Version number 2

Revision: 13.05.2015

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

* **1.1 Product identifier**

* **Trade name** **Funcosil IC**

* **Article number:** 0710

* **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** Protective impregnation

* **1.3 Details of the supplier of the safety data sheet**

* **Manufacturer/Supplier:**

Remmers GmbH
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D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
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Remmers (UK) Limited
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West Sussex RH10 9NN
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* **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

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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**

Skin Irrit. 2 H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

* **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.

H412 Harmful to aquatic life with long lasting effects.

* **Precautionary statements**

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

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- P102 Keep out of reach of children.
 P103 Read label before use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P273 Avoid release to the environment.
 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.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

* **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	60-80%
EINECS: 220-941-2	Skin Irrit. 2, H315	
Reg.nr.: 01-2119972313-39-XXXX		
CAS: 26635-92-7	Stearylaminoxethylat	≤0.5%
	Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	

* **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**

In case of accident or if you feel unwell, seek medical attention immediately (if possible, show label).

* **After inhalation**

Supply fresh air.

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).

* **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

* **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

* **5.3 Advice for firefighters**

* **Protective equipment:** Wear self-contained breathing apparatus.

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* SECTION 6: Accidental release measures

* 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe fumes/aerosol
Avoid skin contact. Avoid eye contact.

* 6.2 Environmental precautions: Prevent from spreading (e.g. by confining or oil barrier).

* 6.3 Methods and material for containment and cleaning up:

Remove sources of ignition.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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

Avoid contact with skin and eyes.
Avoid exposure by inhalation.
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.

* 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.

* 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.

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:

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**

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:**

Weak, characteristic

*** 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:**

> 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:**

n.v.

*** Density at 20 °C**

0.89 g/cm³

*** 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):** Not determined.

*** Viscosity:**

dynamic at 20 °C:

3000-8000 mPas

kinematic:

Not determined.

*** Solvent separation test**

< 3 %

*** Organic solvents:**

n.v.

*** 9.2 Other information**

No further relevant information available.

* SECTION 10: Stability and reactivity

*** 10.1 Reactivity** No further relevant information available.

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* 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:

Inhalative LC50/4 h 1000 mg/l (rat) (ATE)

CAS: 2943-75-1 triethoxyoctylsilane

Oral LD50 > 5110 mg/kg (rat)

* Primary irritant effect:

* Skin corrosion/irritation

Light irritating effect possible.

Causes skin irritation.

* Serious eye damage/irritation

Light irritating effect possible.

* Sensitisation:

Based on available data, the classification criteria are not met.

* 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 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

* 13.1 Waste treatment methods

* Recommendation

After prior treatment, the product must be disposed of in an approved incinerator for hazardous waste under in compliance with regulations on the disposal of hazardous waste.
Do not dispose of together with household garbage. Do not allow product to reach sewage system.

* Uncleaned packaging:

* Recommendation:

Packaging can be reused or recycled after cleaning.
Disposal must be made according to official regulations.

* SECTION 14: Transport information

* 14.1 UN-Number

* ADR, ADN, IMDG, IATA

Void

* 14.2 UN proper shipping name

* ADR

Void

* ADN, IMDG, IATA

Void

* 14.3 Transport hazard class(es)

* ADR, ADN, IMDG, IATA

* Class

Void

* 14.4 Packing group

* ADR, IMDG, IATA

Void

* 14.5 Environmental hazards:

* Marine pollutant:

No

* 14.6 Special precautions for user

Not applicable.

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

Not applicable.

* Transport/Additional information:

Not a hazardous good according to the above regulations.

* UN "Model Regulation":

Void

* SECTION 15: Regulatory information

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

* 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

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

* 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

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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
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

