

## Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 13.01.2009

### 1 Identification of substance

- **Product details**
- **Trade name** Funcosil IC
- **Article number:** 0710
- **Application of the substance / the preparation** Impregnation
- **Manufacturer/Supplier:**  
Remmers Baustofftechnik GmbH  
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### 2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment**  
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **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.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Alkyl alkoxy silane and -siloxane, emulsion in water

- **Dangerous components:**

35435-21-3	Triethoxy(2,4,4-trimethylpentyl)silane	R 10	> 50%
26635-92-7	Stearylaminoxethylat	Xi, N; R 38-41-50/53	< 0.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 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.
- **After skin contact**  
Wash immediately with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

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- **After swallowing**

Do not induce vomiting; call for medical help immediately.

Rinse out mouth immediately with plenty of water and administer plenty of water in small swallows (diluting effect).

## 5 Fire fighting measures

- **Suitable extinguishing agents**

Fire-extinguishing powder

Alcohol-resistant foam

Carbon dioxide

Dry sand

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

## 6 Accidental release measures

- **Person-related safety precautions:**

Do not breathe fumes/aerosol

Avoid skin contact. Avoid eye contact.

- **Measures for environmental protection:**

Do not allow to enter sewage system, surface or ground water.

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

- **Measures for cleaning/collecting:**

Do not flush with water or aqueous cleansing agents

Collect mechanically.

Dispose of the material collected according to regulations.

Remove sources of ignition.

## 7 Handling and storage

- **Handling**

- **Information for safe handling:**

Avoid prolonged or repeated contact with skin.

Avoid critical mist formation when spraying.

Avoid breathing vapours and sprayed mist.

When spraying, avoid sources of ignition such as electric sparks, hot surfaces, open flames, mechanical sparks, even when application temperatures are far below flash point.

- **Information about protection against explosions and fires:**

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

- **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:**

Store cool and dry in tightly closed containers.

Protect from frost.

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

**64-17-5 ethanol**

WEL | Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

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- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
Observe the usual precautionary measures when handling chemicals.  
Immediately remove soiled, saturated clothing.  
Keep away from food, beverages and animal feed.  
Do not eat, drink or smoke while working.  
Wash hands before pauses and after work.  
Use skin protection cream for preventive skin protection.  
Avoid contact with eyes and skin.  
Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**  
In case of a risk of inhaling, wear half-mask with combination filter for organic vapours and particles.  
Filter A/P2.
- **Protection of hands:** Impervious gloves
- **Material of gloves** PVC gloves
- **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:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Pasty
<b>Colour:</b>	White Yellowish
<b>Odour:</b>	Fruit-like

### · Change in condition

<b>Melting point/Melting range:</b>	ca. - 1°C
<b>Boiling point/Boiling range:</b>	100°C

· **Flash point:** 74°C (Setaflash)

· **Ignition temperature:** 265°C

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

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C** 0.9 g/cm<sup>3</sup>

· **Solubility in / Miscibility with Water:** fully miscible

· **Solvent content:**  
**Organic solvents:** 0.0 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
No decomposition if handled and stored according to specifications.
- **Dangerous reactions** Reacts with water to form alcohol.

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· **Dangerous decomposition products:**

None if used properly.  
None if stored properly.

## 11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:**

No irritating effect.  
Light irritating effect possible.

· **on the eye:**

No irritating effect.  
Light irritating effect possible.

· **Sensitisation:** No sensitising effect known.

· **Additional toxicological information:**

The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

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.

## 12 Ecological information:

· **General notes:**

Water hazard class 1 : slightly hazardous to water.  
Do not allow to reach ground water or bodies of water. May not be led undiluted into sewer systems.

## 13 Notes on disposal:

· **Product:**

· **Recommendation**

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

The product can be incinerated in a suitable facility in compliance with local, official regulations.

· **European waste catalogue**

The assignment of refuse code numbers is to be executed specifically for branches and processes according to EWC-regulations.

· **Uncleaned packaging:**

· **Recommendation:**

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

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

## 14 Transport information

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

· **ADR/RID-GGVS/E Class:** -

· **Maritime transport IMDG/GGVSea:**

· **IMDG/GGVSea Class:** -

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- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not a hazardous good according to the above regulations.

## 15 Regulatory information

- **Designation according to EC guidelines:**  
The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).  
Observe normal safety precautions for handling chemicals
- **Risk phrases:**  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **National regulations**
- **Water hazard class:**  
Water hazard class 1: slightly hazardous to water.  
according to appendix 4 VwVwS
- **Other regulations, limitations and prohibition ordinances**  
Observe the usual protective measures when working and for storage.

## 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 R-phrases**  
10 Flammable.  
38 Irritating to skin.  
41 Risk of serious damage to eyes.  
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Department issuing data specification sheet:** Product Safety department

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