

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 05.12.2007

Revision: 05.12.2007

1 Identification of substance

- **Product details**
- **Trade name** Funcosil MCI
- **Article number:** 9200
- **Application of the substance / the preparation** Corrosion inhibitors
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: 05432/83-0
Fax: 05432/3985
- **Informing department:**
Product Safety department: Tel.: +49 (0)5432/83-138/-538
E-Mail: sales@remmers.co.uk
- **Emergency information:**
during working hours:
U.K.: Tel.: +44 (0) 845 373 0103
Far East: Tel.: +65(0) 67410277
Head Office Germany: Tel.: +49 (0)5432 83 185
after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable

3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Designation:**
not applicable
- **Chemical characterization**

- **Dangerous components:**

CAS: 64-17-5	ethanol	F; R 11	1-<2.5%
EINECS: 200-578-6			

4 First aid measures

- **General information** No special measures required.
- **After inhalation**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact** Wash immediately with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Induce vomiting and call for medical help.

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5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or flue gases:**
May be released in case of fire
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- **Protective equipment:**
Wear self-contained breathing apparatus.
Wear full protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous materials are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** none
- **Information on storage in a common storage facility:** none
- **Further information about storage conditions:** None.

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 ³ , 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.
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.
- **Protection of hands:** Impervious gloves
- **Material of 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.
- **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
- **Body protection:** Protective work clothing.

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9 Physical and chemical properties:

· General Information

Form:	Liquid
Colour:	Amber coloured
Odour:	Characteristic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

· Flash point:	> 100°C
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· Danger of explosion:	Product is not explosive.
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· Density at 20°C	1.04 g/cm ³
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· Solubility in / Miscibility with

Water:	Fully miscible
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· pH-value at 20°C:	9.0 - 9.7
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· Solvent content:

Organic solvents:	2.0 %
Water:	67 %

· Solid content:	20 - 27 %
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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** No dangerous reactions known
- **Dangerous decomposition products:** None if used properly.

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· **on the skin:** May cause irritation.

· **on the eye:** May cause irritation.

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

· Additional toxicological information:

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

The material is not subject to labelling according to EC lists in the latest version.

12 Ecological information:

· General notes:

Water hazard class 1 : slightly hazardous to water.

Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

· Product:

· **Recommendation** Smaller quantities can be disposed of together with household garbage.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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:** -

- **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
- **National regulations**
- **Technical instructions (air):**

Class	Proportion in %
Water	67,0
NK	2,0

- **Water hazard class:** Water hazard class 1: slightly hazardous to water.

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**
11 Highly flammable.
- **Department issuing data specification sheet:** Product Safety department