

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.08.2008

Revision: 07.05.2008

1 Identification of substance

- **Product details**
- **Trade name** Funcosil C 40
- **Article number:** 0704
- **Application of the substance / the preparation** Anti-moisture agent
- **Manufacturer/Supplier:**
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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:**

90622-58-5	isoparaffine hydrocarbon mixture	Xn; R 65-66	20-<40%
71750-80-6	aminofunktionelles Polydimethylsiloxan	Xi; R 36	1-<2.5%

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

4 First aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation**
Take affected persons into the open air and position comfortably
Seek medical treatment.
- **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

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

Induce vomiting and call for medical help.

5 Fire fighting measures**· Suitable extinguishing agents**

Fire-extinguishing powder

Alcohol-resistant foam

Carbon dioxide

Dry sand

6 Accidental release measures**· Person-related safety precautions:**

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation

· Measures for environmental protection:

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

Do not allow to enter the ground/soil.

· Measures for cleaning/collecting:

Collect mechanically.

Dispose of the material collected according to regulations.

7 Handling and storage**· Handling**

· Information for safe handling: Use only in well ventilated areas.

· Information about protection against explosions and fires: No special requirements.

· 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.

Avoid heating above 50 °C.

Do not store below -5 °C.

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:

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.

· 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.

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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**

Rubber 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**

Form:	Pasty
Colour:	White
Odour:	Weak, characteristic

· **Change in condition**

Melting point/Melting range: ca. - 1°C

Boiling point/Boiling range: 100°C

· **Flash point:** 74°C (Setaflash)

· **Ignition temperature:** 265°C

· **Danger of explosion:** Product is not explosive.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C** 0.83 g/cm³

· **Solubility in / Miscibility with**

Water: fully miscible

· **pH-value at 20°C:** ca. 8

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.

· **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.

· **on the eye:** No irritating effect.

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- **Sensitisation:** No sensitising effect known.
- **Other information (on experimental toxicology):**
Aerosols mist produced on the basis of amino functional siloxanes (made of organic solutions and aqueous emulsions) has been shown to cause health damage through inhalation in experiments with animals.
- **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**
After strongly diluting smaller amounts with water, the product can be discharged into the sewer system.
Local, official regulations must be observed.
Larger amounts must be disposed of as special refuse in compliance with official regulations.
- **Uncleaned packaging:**
- **Recommendation:** 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:** -
- **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.

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· National regulations

Class	Proportion in %
III	20-<40

· 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

- 36 Irritating to eyes.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.

· Department issuing data specification sheet: Product Safety department

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