

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2007

Revision: 10.04.2006

1 Identification of substance

- **Product details**
- **Trade name** **Funcosil AG**
- **Article number:** 0655
- **Application of the substance / the preparation**
Impregnation
impregnation
- **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:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
- **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:** Solvent mixture with additives.

- **Dangerous components:**

CAS: 90622-58-5	isoparaffine hydrocarbon mixture	Xn; R 65-66	80-<100%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	Xn; R 65	5-<10%

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

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4 First aid measures**· General information**

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest, provide artificial respiration.

· **After inhalation** Take affected persons into the open air and position comfortably

· **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** Do not induce vomiting; call for medical help immediately.

· **Information for doctor**

· **The following symptoms may occur:**

Headache

Dizziness

nausea

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

Alcohol-resistant foam

Water spray jet

Water mist

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

· **Special hazards caused by the material, its products of combustion or flue gases:**

May be released in case of fire

Carbon monoxide (CO)

Hydrogen fluoride (HF)

· **Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

· **Additional information** Cool endangered containers with water spray jet.

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

Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

· **Measures for environmental protection:**

Do not allow to enter the ground/soil.

Inform responsible authorities in case product reaches bodies of water or sewage system.

· **Measures for cleaning/collecting:**

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

Send for recovery or disposal in suitable containers.

Ensure adequate ventilation.

· **Additional information:** See Section 13 for information on disposal.

7 Handling and storage**· Handling**

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

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· Storage

· **Requirements to be met by storerooms and containers:** Store in cool location.

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- **Information on storage in a common storage facility:**
Do not store together with fire promoting and self-igniting materials
- **Further information about storage conditions:**
Store container in a well ventilated position.
Keep container tightly closed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** Nur an gut belüfteten Stellen verwenden.
- **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**
Keep away from food, beverages and animal feed.
Wash hands before pauses and after work.
Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**
Filter AX.
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:** Solvent resistant gloves
- **Material of gloves:** Nitrile rubber, NBR
- **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:	Fluid
Colour:	clear
Odour:	Aromatic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	180°C

Flash point:	63°C
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Ignition temperature:	white spirit
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Self-inflammability:	Product is not self-igniting.
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Danger of explosion:	Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.
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· Explosive Limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

Vapour pressure at 20°C:	1.7-3.0 hPa
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Density at 20°C	0.77 g/cm ³
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|--|----------------------------------|
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix |
| · Viscosity: kinematic at 20°C: | 10 s (DIN 53211/4) |
| · Solvent content: Organic solvents: | 97.9 % |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
Can be distilled without decomposing at normal pressure
Zu vermeiden: Wärme, Flammen, Funken
- **Materials to be avoided:** keine bekannt
- **Dangerous reactions**
Used empty containers may contain product gases which form explosive mixtures with air
Reagiert langsam mit Wasser unter Bildung von Alkohol.
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

*: oberhalb der Sättigungskonzentration in der Luft.

- **Primary irritant effect:**
- **on the skin:**
No irritating effect.
Wirkt entfettend auf die Haut.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effect known.
- **Other information (on experimental toxicology):**
Reizwirkung auf die Atmungsorgane: keine Reizwirkung.
- **Subacute to chronic toxicity:**
Wiederholte Exposition verursachte Nierenschäden bei Ratten.
(Angabe für Testbenzin)
- **Additional toxicological information:**
Erfahrungen am Menschen:
Längerer/wiederholter Hautkontakt kann zu Dermatitis führen.
Hohe Konzentrationen können Müdigkeit und Schwindelgefühl verursachen.

12 Ecological information:

- **Information on elimination (persistence and degradability):**
- **Other information:** Das Testbenzin ist biologisch leicht abbaubar.
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:**
Schwimmt auf dem Wasser.
Wird vom Boden adsorbiert und ist nicht mobil. Verdunstet innerhalb eines Tages teilweise von Wasser- oder Bodenoberflächen, ein wesentlicher Teil bleibt jedoch länger zurück.
Bioakkumulation potentiell möglich.

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- **General notes:**

Water hazard class 2 : hazardous to water.

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

13 Notes on disposal:

- **Product:**

- **Recommendation**

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

Liquid material remains are to be disposed of at collection facilities for old varnishes.

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 04	other organic solvents, washing liquids and mother liquors

- **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:** -

- **Marine pollutant:** -

- **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 has been classified and labelled in accordance with EC Guidelines / Ordinance on Hazardous Materials (GefStoffV)

- **Code letter and hazard designation of product:**



Xn Harmful

- **Hazard-determining components of labelling:**

isoparaffine hydrocarbon mixture

- **Risk phrases:**

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

- **Safety phrases:**

23 Do not breathe fumes/aerosol.

24 Avoid contact with skin.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

51 Use only in well-ventilated areas.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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- **National regulations**

- **Ordinance on hazardous incidents (StFV):**

Threshold quantity according to the ordinance on incidents should be observed.
Stoffgruppe 3 (entzündliche Flüssigkeiten)

- **Technical instructions (air):**

Class	Proportion in %
III	75-<100

- **Water hazard class:**

Water hazard class 2: hazardous to water.
according to appendix 4 VwVwS

- **Other regulations, limitations and prohibition ordinances**

Merkblatt "Lösemittel" (M 017) der Berufsgenossenschaft chem. Industrie, Heidelberg
Hommel: Handbuch der gefährlichen Güter, Merkblatt-Nr. 38/38a
Kühn-Birett: Merkblätter Gefährliche Arbeitsstoffe, Blatt-Nr. K 34

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**

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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