

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 17.06.2008

1 Identification of substance

- **Product details**
- Trade name **Epoxy Flex Fill, Component B**
- **Article number:** 6275
- **Application of the substance / the preparation** Knife filler/ Surfacer
- **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:**



C Corrosive

- **Information pertaining to particular dangers for man and environment**
R 22 Harmful if swallowed.
R 34 Causes burns.
R 43 May cause sensitisation by skin contact.
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:** Resin mixture.

- **Dangerous components:**

	polymer based on dipropylene triamine	C, Xn; R 21/22-34-43	60-80%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol	Xn; R 20/22	20-40%

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

GB

(Contd. on page 2)

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 17.06.2008

Trade name **Epoxy Flex Fill, Component B**

(Contd. of page 1)

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.
Call a doctor immediately.
- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Wash immediately with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Drink plenty of water and provide fresh air. Call a doctor immediately.
- **Information for doctor**
- **Treatment** symptomatic treatment

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **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).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
Use neutralizing agent.

* 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **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:** Keep container tightly closed.

* 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**
Immediately remove soiled, saturated clothing.
Store protective clothing separately.
Keep away from food, beverages and animal feed.
Wash hands before pauses and after work.
Avoid contact with eyes and skin.

(Contd. on page 3)

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 17.06.2008

Trade name **Epoxy Flex Fill, Component B**

(Contd. of page 2)

- **Respiratory equipment:**
Filter A (brown)
Only use ambient air independent respiratory equipment in pits, shafts and silos!
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Nitrile rubber, NBR
- **Penetration time of glove material**
Break through time: max. 240 min (DIN EN 374).
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:	According to product specification
Odour:	Characteristic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	200°C

· **Flash point:** 101°C

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

· **Vapour pressure at 20°C:** 1.0 hPa

· **Density at 20°C** 1.05 g/cm³

· Solubility in / Miscibility with

Water: miscible

· **pH-value at 20°C:** 12

· Viscosity:

dynamic at 20°C: 4000 mPas

· Solvent content:

Organic solvents: 0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

100-51-6 Benzyl alcohol

Oral	LD50	1230 mg/kg (Ratte)
Dermal	LD50	2000 mg/kg (Kaninchen)

· Primary irritant effect:

- **on the skin:** Caustic effect on skin and mucous membranes.

(Contd. on page 4)

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 17.06.2008

Trade name Epoxy Flex Fill, Component B

(Contd. of page 3)

- **on the eye:** Strong caustic effect.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**
Swallowing leads to a strong caustic effect in the mouth and throat and to the danger of perforation of oesophagus and stomach.
The product shows the following dangers based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Corrosive
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information:

- **General notes:**
Water hazard class 1 : slightly hazardous to water.
according to appendix 4 VwVwS
Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

- **Product:**
- **Recommendation**
Not hardened material must be disposed of as hazardous waste according to official regulations. Hardened product remains may be disposed of as building rubble or put into household garbage.
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27

- **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:** 8 (C9) Corrosive substances.
- **Kemler Number:** 80
- **UN-Number:** 2735
- **Packaging group:** III
- **Danger sign:** 8

(Contd. on page 5)

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 17.06.2008

Trade name **Epoxy Flex Fill, Component B**

(Contd. of page 4)

- **Designation of goods:** 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polymer based on dipropylene triamine)
- **Limited quantities (LQ)** LQ7
- **Tunnel restriction code** E
- **Remarks:** TREM-Card No. 83

- **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 8
- **UN Number:** 2735
- **Label** 8
- **Packaging group:** III
- **EMS Number:** F-A,S-B
- **Marine pollutant:** -
- **Correct technical name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polymer based on dipropylene triamine)

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



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 2735
- **Label** 8
- **Packaging group:** III
- **Correct technical name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polymer based on dipropylene triamine)

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:**



C Corrosive

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

Benzyl alcohol
polymer based on dipropylene triamine

- **Risk phrases:**

22 Harmful if swallowed.
34 Causes burns.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**

20 When using do not eat or drink.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

(Contd. on page 6)

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 17.06.2008

Trade name Epoxy Flex Fill, Component B

(Contd. of page 5)

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

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Product Code:** RE 1

· **National regulations**

· **Water hazard class:**

Water hazard class 1: slightly hazardous to water.
according to appendix 4 VwVwS

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

APME document: "Epoxy resins and hardener: Toxicology, working safety, environment."

· **Professional Association (BG) Code of Practice:**

BGR 227 - "Epoxy Resins"

M 004 "Irritating substances/corrosive substances"

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**

20/22 Harmful by inhalation and if swallowed.

21/22 Harmful in contact with skin and if swallowed.

34 Causes burns.

43 May cause sensitisation by skin contact.

· **Department issuing data specification sheet:** Product Safety department

GB