

**Material Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 07.07.2008

**1 Identification of substance**

- **Product details**
- **Trade name** Epoxy BS 3000 M, component A  
Viscacid BS 3000 silk flat, component A
- **Article number:** 6370-79
- **Application of the substance / the preparation** Coating
- **Manufacturer/Supplier:**  
Remmers Baustofftechnik GmbH  
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D-49624 Lönningen / Germany  
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- **Informing department:**  
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**2 Hazards identification**

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**  
R 41 Risk of serious damage to eyes.
- **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:**

Polyamin-Epoxidharz-Addukt	Xi; R 41	10-<25%
Polymer basiert auf Epoxyamin-Addukt	Xi; R 41	1-<2.5%

**4 First aid measures**

- **General information**  
If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.  
Immediately remove any clothing soiled by the product.

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- In case of irregular breathing or respiratory arrest, provide artificial respiration.
- **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.  
Call a doctor immediately.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **Information for doctor**
- **The following symptoms may occur:** Contact with eyes may cause irritation and pain
- **Danger** Damage of the cornea and eye lids.
- **Treatment** symptomatic treatment

## 5 Fire fighting measures

- **Suitable extinguishing agents**  
Water mist  
Water spray jet
- **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  
Nitrogen oxides (NOx)  
Ammonia  
Under certain fire conditions, traces of other toxic substances cannot be excluded.
- **Protective equipment:**  
Wear self-contained breathing apparatus.  
Wear full protective suit.
- **Additional information**  
Cool endangered containers with water spray jet.  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

- **Person-related safety precautions:**  
Wear protective equipment. Keep unprotected persons away.  
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.  
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).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Additional information:** See Section 8 for information on personal protection equipment.

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## 7 Handling and storage

- **Handling**
- **Information for safe handling:**
  - Use only in well ventilated areas.
  - Avoid the formation of aerosols.
  - Open and handle container with care.
  - Always avoid direct contact with the product!
- **Information about protection against explosions and fires:** No special requirements.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information on storage in a common storage facility:**
  - Store away from oxidizing agents.
  - Do not store together with acids.
- **Further information about storage conditions:**
  - Store cool and dry in tightly closed containers.
  - Store container in a well ventilated position.
  - Protect from frost.
  - Protect from heat and direct sunlight.

## 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.
  - Keep away from food, beverages and animal feed.
  - Do not eat, drink or smoke while working.
  - Store protective clothing separately.
  - Use skin protection cream for preventive skin protection.
  - Wash hands before pauses and after work.
  - Be sure to clean skin thoroughly before pauses and after work.
  - Avoid contact with eyes and skin.
  - Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**
  - In case vapours/aerosols develop:
    - Filter A (brown)
  - Only use ambient air independent respiratory equipment in pits, shafts and silos!
- **Protection of hands:**
  - Impervious gloves
  - Long cuffed gloves
- **Material of gloves**
  - Butyl rubber, BR
  - Nitrile rubber, NBR
- **Penetration time of glove material**
  - Break through time: max. 240 min (DIN EN 374).
  - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
  - Tightly sealed safety glasses.

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- Face protection  
 · **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Different, according to dye
<b>Odour:</b>	Ammonia-like

### · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	> 100°C

· **Flash point:** > 100°C

· **Self-inflammability:** Product is not self-igniting.

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

· **Density at 20°C** ca. 1.44 g/cm<sup>3</sup>

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

· **Viscosity:**  
**dynamic at 23°C:** ca. 730 mPas

## 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.
- **Materials to be avoided:**  
 oxidising agent  
 Acids  
 peroxides
- **Dangerous reactions** Exothermic reaction with acids
- **Dangerous decomposition products:**  
 None if used properly.  
 None if stored properly.  
 At high temperatures, the following may occur:  
 ammonia  
 Irritating gases/vapours  
 Poisonous gases/vapours

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** Strong irritating effect with the danger of severe eye injury.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**  
 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:

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## 12 Ecological information:

- **General notes:**

Water hazard class 2 : hazardous to water.

Do not allow product to reach ground water, bodies of water or sewage system.  
according to appendix 4 VwVwS

## 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.

- **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.

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## 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:**



Xi Irritant

· **Risk phrases:**

41 Risk of serious damage to eyes.

· **Safety phrases:**

2 Keep out of the reach of children.

25 Avoid contact with eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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).

· **National regulations**

· **Water hazard class:**

German Water hazard class 2: 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**

41 Risk of serious damage to eyes.

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

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