

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

* SECTION 1: Identification of the substance/mixture and of the company/undertaking

* 1.1 Product identifier

* Trade name **Betofix RM**

* Article number: 1092, 1098

* 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

* Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

* Product category PC9b Fillers, putties, plasters, modelling clay

* Process category

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing

* Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC10a Widespread use of articles with low release (outdoor)

ERC11a Widespread use of articles with low release (indoor)

* Application of the substance / the mixture Repair mortar

* 1.3 Details of the supplier of the safety data sheet

* Manufacturer/Supplier:

Remmers GmbH

Postfach 1255

D-49624 Lönningen / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit B1 The Fleming Centre
West Sussex RH10 9NN
fon +44 (0) 1293 594 010
fax +44 (0) 1293 594 037

* Informing department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010

E-Mail: sales@remmers.co.uk

* 1.4 Emergency telephone number:

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

* SECTION 2: Hazards identification

* 2.1 Classification of the substance or mixture

* Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

Trade name **Betofix RM**

(Contd. of page 1)

*** 2.2 Label elements***** Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

*** Hazard pictograms**

GHS05

*** Signal word Danger***** Hazard-determining components of labelling:**

Cement

*** Hazard statements**

H318 Causes serious eye damage.

*** Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

*** 2.3 Other hazards** low chromate content according to directive 2003/53 EG*** Results of PBT and vPvB assessment***** PBT:** Not applicable.*** vPvB:** Not applicable.*** SECTION 3: Composition/information on ingredients***** 3.2 Chemical characterisation: Mixtures***** Description:** Mixture of the substances listed below with harmless additions.*** Dangerous components:**

CAS: 65997-15-1 Cement

5-10%

EINECS: 266-043-4 Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335

*** Additional information** For the wording of the listed hazard phrases refer to section 16.*** SECTION 4: First aid measures***** 4.1 Description of first aid measures***** After inhalation** Seek medical treatment in case of complaints.*** After skin contact** If skin irritation continues, consult a doctor.*** After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

*** After swallowing** Call a doctor immediately.*** 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

*** Information for doctor** see item 3*** 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures*** 5.1 Extinguishing media***** Suitable extinguishing agents** No special measures required.*** 5.2 Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

Trade name **Betofix RM**

(Contd. of page 2)

*** 5.3 Advice for firefighters***** Protective equipment:** No special measures required.*** SECTION 6: Accidental release measures***** 6.1 Personal precautions, protective equipment and emergency procedures**

Avoid causing dust.

Avoid skin contact. Avoid eye contact.

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

*** 6.2 Environmental precautions:** No special measures required.*** 6.3 Methods and material for containment and cleaning up:**

Keep away from water.

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

*** 6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

*** SECTION 7: Handling and storage***** 7.1 Precautions for safe handling**

Thorough removal of dust.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of dust.

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

Keep breathing equipment ready.

No special requirements.

*** 7.2 Conditions for safe storage, including any incompatibilities***** 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 dry.

Protect from humidity and keep away from water.

Keep container tightly closed.

*** 7.3 Specific end use(s)** No further relevant information available.*** SECTION 8: Exposure controls/personal protection***** Additional information about design of technical systems:** No further data; see item 7.*** 8.1 Control parameters***** Components with limit values that require monitoring at the workplace:****CAS: 65997-15-1 Cement**WEL Long-term value: 10* 4** mg/m³

*inhalable dust **respirable dust

*** Additional information:** The lists that were valid during compilation were used as a basis.*** 8.2 Exposure controls***** Personal protective equipment***** General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Observe Professional Association regulations.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

Trade name **Betofix RM**

(Contd. of page 3)

*** Respiratory equipment:**

Particle-Filter P2.

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:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

*** Material of gloves**

Nitrile rubber, NBR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

*** 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:**

Avoid contact with eyes. In case of eye contact, rinse immediately and thoroughly with water. Seek medical advice.

Tightly sealed safety glasses.

*** Body protection:** Protective work clothing.

* SECTION 9: Physical and chemical properties

*** 9.1 Information on basic physical and chemical properties***** General Information***** Appearance:****Form:**

Powder

Colour:

According to product specification

*** Odour:**

Odourless

*** Odour threshold:**

Not determined.

*** pH-value (100 g/l) at 20 °C:**

ca. 12

*** Change in condition****Melting point/Melting range:**

> 1000 °C

Boiling point/Boiling range:

Not determined

*** Flash point:**

Not applicable

*** Inflammability (solid, gaseous)**

Not determined.

*** Ignition temperature:**

not applicable

*** Decomposition temperature:**

Not determined.

*** Self-inflammability:**

Product is not self-igniting.

*** Danger of explosion:**

Product is not explosive.

*** Explosive Limits:****Lower:**

Not determined.

Upper:

Not determined.

*** Vapour pressure:**

Not applicable.

*** Density at 20 °C**>2 g/cm³*** Relative density**

Not determined.

*** Vapour density**

Not applicable.

*** Evaporation rate**

Not applicable.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

Trade name **Betofix RM**

(Contd. of page 4)

* **Solubility in / Miscibility with Water:**

Soluble

* **Distribution coefficient (n-octanol/water):** Not determined.

* **Viscosity:**

dynamic:

Not applicable.

kinematic:

Not applicable.

* **9.2 Other information**

No further relevant information available.

* SECTION 10: Stability and reactivity

* **10.1 Reactivity** No further relevant information available.

* **10.2 Chemical stability**

* **Thermal decomposition / conditions to be avoided:**

No decomposition if handled and stored according to specifications.

* **10.3 Possibility of hazardous reactions** No dangerous reactions known

* **10.4 Conditions to avoid** No further relevant information available.

* **10.5 Incompatible materials:** No further relevant information available.

* **10.6 Hazardous decomposition products:**

None if used properly.

None if stored properly.

SECTION 11: Toxicological information

* **11.1 Information on toxicological effects**

* **Acute toxicity:** Based on available data, the classification criteria are not met.

* **LD/LC50 values that are relevant for classification:** No further relevant information available.

* **Primary irritant effect:**

* **Skin corrosion/irritation** Light irritation of the skin possible in case of repeated exposure.

* **Serious eye damage/irritation**

May cause irritation.

Causes serious eye damage.

* **Sensitisation:** Based on available data, the classification criteria are not met.

* **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

* **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

* **Carcinogenicity** Based on available data, the classification criteria are not met.

* **Reproductive toxicity** Based on available data, the classification criteria are not met.

* **STOT-single exposure** Based on available data, the classification criteria are not met.

* **STOT-repeated exposure** Based on available data, the classification criteria are not met.

* **Aspiration hazard** Based on available data, the classification criteria are not met.

* SECTION 12: Ecological information

* **12.1 Toxicity**

* **Aquatic toxicity:** No further relevant information available.

* **12.2 Persistence and degradability** No further relevant information available.

* **12.3 Bioaccumulative potential** No further relevant information available.

* **12.4 Mobility in soil** No further relevant information available.

* **Additional ecological information:**

* **General notes:**

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

Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.

Do not allow undiluted or larger quantities of the product to reach ground water, bodies of water or sewage system.

* **12.5 Results of PBT and vPvB assessment**

* **PBT:** Not applicable.

* **vPvB:** Not applicable.

* **12.6 Other adverse effects** No further relevant information available.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

Trade name **Betofix RM**

(Contd. of page 5)

* SECTION 13: Disposal considerations

* 13.1 Waste treatment methods

* Recommendation

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

17 01 01 concrete

* Uncleaned packaging:

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

* **Recommended cleaning agent:** Water, if necessary with cleaning agent.

* SECTION 14: Transport information

* 14.1 UN-Number

* **ADR, ADN, IMDG, IATA** Void

* 14.2 UN proper shipping name

* **ADR, ADN, IMDG, IATA** Void

* 14.3 Transport hazard class(es)

* **ADR, ADN, IMDG, IATA** Void

* Class

* **Class** Void

* 14.4 Packing group

* **ADR, IMDG, IATA** Void

* 14.5 Environmental hazards:

* **Marine pollutant:** No

* **14.6 Special precautions for user** Not applicable.

* **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

* **Transport/Additional information:** Not a hazardous good according to the above regulations.

* **UN "Model Regulation":** Void

* SECTION 15: Regulatory information

* 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

* Directive 2012/18/EU

* **Named dangerous substances - ANNEX I** None of the ingredients is listed.

* National regulations

* Other regulations, limitations and prohibition ordinances

Corrosive properties are set free when worked with water; therefore experience is expected of the user and our notes on working are to be observed.

Professional Association Principles/Industrial Medicine regulations, e.g. principles of industrial medicine Occupational Safety Regulations.

* **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

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.

* Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

* **Department issuing data specification sheet:** Product Safety department / EHS

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.11.2016

Version number 4

Revision: 23.11.2016

Trade name **Betofix RM**

(Contd. of page 6)

*** Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3