

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

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.

Application of the substance / the mixture Repair mortar

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönigen / 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

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.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36: Irritating 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.

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.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

Trade name **Betofix RM**

(Contd. of page 1)

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	Xi R37/38-41	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 risk 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**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

Trade name **Betofix RM**

(Contd. of page 2)

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:

No special requirements.

Keep breathing equipment ready.

7.2 Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and containers:**

Store in closed rooms protected against moisture. Extraction of dust in compliance with BImSchG or Technical Instructions Air.

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.

Respiratory equipment:

Particle-Filter P2.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

Trade name **Betofix RM**

(Contd. of page 3)

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/cm ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.

(Contd. on page 5)

EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

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.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

Trade name **Betofix RM**

(Contd. of page 5)

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**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

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.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.11.2015

Version number 3

Revision: 06.11.2015

Trade name Betofix RM

(Contd. of page 6)

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

SECTION 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 phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

Department issuing data specification sheet: Product Safety department / EHS

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, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3