

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: RM II

Revision Date: 31.07.2020

Version: 2/en

**fischer** 

Replaces version from: 18.06.2020

Print date: 31.07.2020

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

### **1.1 Product identifier**

Commercial Product Name **RM II**  
Unique Formula Identifier (UFI) Not applicable

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

Relevant identified uses mounting material  
Recommended restrictions Observe technical data sheet.

### **1.3 Details of the supplier of the safety data sheet**

Company designation fischerwerke GmbH & Co. KG  
Klaus-Fischer-Straße 1  
D-72178 Waldachtal  
Telephone: +49(0)7443 12-0  
FAX: +49(0)7443 12-4222  
Email: info-sdb@fischer.de  
Internet: www.fischer.de

Marketer Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd  
Hithercroft Road  
Wallingford, Oxfordshire, OX10 9AT  
Telephone: +44 01491 827 920  
FAX: +44 01491 827 950  
Internet: www.fischer.co.uk

### **1.4 Emergency telephone number**

Emergency telephone number +49(0)6132-84463 (24h)

## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 Aquatic Chronic 2; H411

### **2.2 Label elements**

Hazard pictogram



GHS09

H-statement(s)

H411: Toxic to aquatic life with long lasting effects.

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P-statement(s) P280: Wear protective gloves/protective clothing/eye protection/face protection.

Further information EUH208: Contains dibenzoyl peroxide. May produce an allergic reaction.

## 2.3 Other hazards

Health hazard No information available.

Particular information pertaining specific risk for human / environment No information available.

Indication of danger No information available.

Hazard precautions No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
glass, oxide, chemicals	CAS No.: 65997-17-3 EC-No.: 266-046-0 REACH No.: The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH].	This substance is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].	10.0 - 25.0 % by weight
dibenzoyl peroxide	CAS No.: 94-36-0 EC-No.: 202-327-6 Index-No.: 617-008-00-0 REACH No.: 01-2119511472-50	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.5 % by weight

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice Take off immediately all contaminated clothing.  
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).  
Wear personal protection equipment (refer to section 8).

If inhaled Provide fresh air.  
In case of respiratory tract irritation, consult a physician.

In case of skin contact After contact with skin, wash immediately with plenty of water and soap.  
Do NOT use solvents or thinners.

In case of eye contact Remove contact lenses.  
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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If swallowed

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.  
Let water be drunk in little sips (dilution effect).  
Do NOT induce vomiting.

## 4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

## 4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

If unconscious place in recovery position and seek medical advice.

Special medical treatment

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

spray mist, (water), Water spray jet, alcohol resistant foam, carbon dioxide, Extinguishing powder

Extinguishing media which must not be used for safety reasons

Full water jet

### 5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Heating or fire can release toxic gas.  
Fight fire with normal precautions from a reasonable distance.

### 5.3 Advice for firefighters

Special protective equipment for firefighting

In case of fire: Wear self-contained breathing apparatus.  
For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Additional information on firefighting

Suppress (knock down) gases/vapours/mists with a water spray jet.  
Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

For non-emergency personnel  
Accidental release measures:  
Wear personal protection equipment (refer to section 8).  
Remove all sources of ignition.  
Ensure adequate ventilation, especially in confined areas.

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## 6.2 Environmental precautions

Environmental precautions      The product should not be allowed to enter drains, water courses or the soil.  
Prevent spread over a wide area (e.g. by containment or oil barriers).

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up      Allow stiffening. Take up mechanically.  
Treat the recovered material as prescribed in the section on waste disposal.

## 6.4 Reference to other sections

Reference to other sections      Reference to other sections : 7 / 8 / 13

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Advice on safe handling      Caution: During machining in cured state dust is formed.  
Keep container tightly closed.  
Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and after work.  
Take off contaminated clothing and wash it before reuse.

Advice on protection against fire and explosion      No special measures are necessary.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements      Keep/Store only in original container.  
Keep container tightly closed and dry.  
Store in accordance with local regulations.

Unsuitable materials for containers      Keep only in original container.

Hints on storage assembly      Keep away from food, drink and animal feedingstuffs.

German storage class      10-13 (TRGS 510)

Recommended storage temperature      +5 - 25 °C

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

dibenzoyl peroxide

Great Britain

Long-term exposure value/ mg/m<sup>3</sup>

5

Source

EH40/2005 Workplace exposure limits (2011)

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## 8.2 Exposure controls

Respiratory protection	Usually no personal respirative protection necessary. In case of inadequate ventilation wear respiratory protection.
Hand protection	Health injuries are not known or expected under normal use. For prolonged or repeated contact use protective gloves. May cause sensitization of susceptible persons by skin contact. Avoid contact with eyes and skin.
Suitable material	Protective gloves complying with EN 374. Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), Fluorinated rubber
Unsuitable material	PVC or rubber gloves are not recommended.
Material thickness	adjust to application and duration of use
Break through time	> 120 min
Evaluation	-
Remarks	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Note	Replace when worn.
Eye protection	Wear closely fitting protective glasses in case of splashes. Safety glasses with side-shields conforming to EN166
Skin and body protection	Long sleeved clothing
Note	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
General protective and hygiene measures	Do not eat, drink or smoke when using this product. Avoid contact with the skin and the eyes. Wash hands and face before breaks and after work and take a shower if necessary. Keep away from food, drink and animal feedingstuffs. Use protective skin cream before handling the product.
Information on environmental protection regulations	No special environmental measures are necessary. see section 6/7
Engineering measures	Provide adequate ventilation.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Form	solid
Colour	brown

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Odour	none
Odour threshold	not determined
pH	No data available
Melting point [°C] / Freezing point [°C]	No data available
Boiling point [°C]	No data available
Flash point [°C]	> 100
Evaporation rate [kg/(s*m <sup>2</sup> )]	No data available
Flammability (solid, gas)	No data available
Explosion limits [Vol-% ]	
Lower limit	No data available
Upper limit	No data available
Vapour pressure [kPa]	No data available
Vapour density	No data available
Density [g/cm <sup>3</sup> ]	Not applicable.
Relative density	No data available
Solubility	No data available
Water solubility [g/l]	The study does not need to be conducted because the substance is known to be insoluble in water. (glass capsule)
Solubility [g/l]	No data available
Partition coefficient n-octanol /water (log P O/W)	No data available
Autoinflammability	not auto-flammable
Decomposition temperature [°C]	No data available
Viscosity, dynamic [kg/(m*s)]	Not applicable.
Explosive properties	not explosive.
Oxidising properties	No

## 9.2 Other information

Solvent content [%] 0

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Reactivity No hazardous reaction when handled and stored according to provisions.  
No decomposition if stored and applied as directed.

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## 10.2 Chemical stability

Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

## 10.3 Possibility of hazardous reactions

Hazardous reactions No hazardous reaction when handled and stored according to provisions.

## 10.4 Conditions to avoid

Conditions to avoid The mixture is chemically stable under recommended conditions of storage, use and temperature.

## 10.5 Incompatible materials

Materials to avoid Strong acids and oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Oral toxicity [mg/kg]

##### Hazardous ingredients

dibenzoyl peroxide			
Value	Test criterion	Test species	Source
> 5000	LD50	rat	Company data

#### Inhalative toxicity [mg/l]

##### Hazardous ingredients

dibenzoyl peroxide			
Value	Test criterion	Test species	Source
> 24300	LC50	rat	Company data

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish [mg/l]

##### Hazardous ingredients

dibenzoyl peroxide			
Value	Test criterion	Exposure duration	Source
0,06	LC50	96 h	Company data

#### Toxicity to daphnia [mg/l]

##### Hazardous ingredients

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dibenzoyl peroxide				
Value	Test criterion	Test species	Exposure duration	Source
0,11	EC50	Daphnia magna (Big water flea)	48 h	Company data

## Toxicity to algae [mg/l]

### Hazardous ingredients

dibenzoyl peroxide			
Value	Test criterion	Exposure duration	Source
0,06	EC50	72 h	Company data

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Disposal considerations

Do not allow to enter into surface water or drains.  
Dispose of waste according to applicable legislation.  
Empty packaging: Where possible recycling is preferred to disposal or incineration.  
Product: Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

#### Waste Code

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
The following Waste Codes are only suggestions:  
Product  
200127 - paint, inks, adhesives and resins containing dangerous substances  
080409 - waste adhesives and sealants containing organic solvents or other dangerous substances  
cured material  
200000 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
14.2 UN proper shipping name		Non dangerous good	Non dangerous good



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## 14.6 Special precautions for user

Precautions No special measures are necessary.

## 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

## SECTION 15: Regulatory information

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

Decopaint regulation not relevant  
Carcinogenic hazardous substance as per Annex II GefStoffV No  
Restriction of occupation. no restriction

### 15.2 Chemical safety assessment

Safety assessment For this preparation a chemical safety assessment has been carried out. This safety data sheet contains more than one ES in an integrated form. Contents of the exposure scenarios have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

Additional regulations This Safety Data Sheet is prepared according to Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## SECTION 16: Other information

Relevant H-phrases H241: Heating may cause a fire or explosion.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.  
EUH208: Contains dibenzoyl peroxide. May produce an allergic reaction.

Wording of the hazard classes This substance is classified as not hazardous according to regulation EC No CLP  
Eye Irrit.: Serious eye irritation  
Skin Sens.: Skin sensitization  
Aquatic Acute: Hazardous to the aquatic environment  
Aquatic Chronic: Hazardous to the aquatic environment

Classification for mixtures and used evaluation method accord-

Classification	Evaluation
Aquatic Chronic 2; H411	Calculated

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ing to regulation (EC) 1272/2008

[CLP]

Recommended restrictions                      Observe technical data sheet.

Modifications of the previous version are denoted with an asterisk (\*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.