

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

1.1 Product identifier

Commercial Product Name **fischer Reaction Capsule RM**

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

Relevant identified uses mounting material

Recommended restrictions None under normal processing.

1.3 Details of the supplier of the safety data sheet

Company designation fischerwerke GmbH & Co. KG
Weinhalde 14-18
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de

Marketer Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd, Hithercroft Road, Wallingford, Oxfordshire, OX10 9AT, Tel. 01491 827 920, Fax 01491 827 950

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 Reg- Skin Sens. 1; H317
ulation (EC) No. 1272/2008

Classification according to Di- R43
rective 67/548/EEC / 1999/45/
EEC

2.2 Label elements

Hazard pictogram



GHS07

Signal word

Warning

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



Commercial Product Name: **fischer Reaction Capsule RM**

Revision date: 25.07.2013

Version: 3/en

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Hazardous component(s) to be indicated on label 2-hydroxypropyl methacrylate

H-statement(s) H317: May cause an allergic skin reaction.

P-statement(s) P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
Quartz (SiO ₂)	CAS No.: 14808-60-7 EC-No.: 238-878-4		2.5 – 10.0 % by weight
2-hydroxypropyl methacrylate	CAS No.: 27813-02-1 EC-No.: 248-666-3 Index-No.: 607-125-00-5	R43 Xi; R36 Eye Irrit. 2; H319 Skin Sens. 1; H317	< 2.5 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice If symptoms persist, call a physician.
Remove/Take off immediately all contaminated clothing.

If inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact IF ON SKIN: Gently wash with plenty of soap and water.

In case of eye contact In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed not applicable

4.2 Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention No data available

Special medical treatment No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂)
Dry powder
Foam
Water spray jet

Extinguishing media which must not be used for safety reasons High volume 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.

5.3 Advice for firefighters

Special protective equipment for firefighting In the event of fire, wear self-contained breathing apparatus.
In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Keep containers and surroundings cool with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions The product should not be allowed to enter drains, water courses or the soil.
Prevent spreading 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 Not relevant for the product itself.

6.4 Reference to other sections

Reference to other sections See chapter 8/13

6.5 Additional information

Other information Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Handle with care. Avoid shock and friction.
None under normal processing.

Advice on protection against fire and explosion No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Store in accordance with local regulations.
Keep only in original container.

Store in a cool and shaded area. Keep away from heat.

Hints on storage assembly Not relevant

German storage class 10–13 (TRGS 510)

7.3 Specific end use(s)

Specific use(s) mounting material
Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Respiratory protection No personal respiratory protective equipment normally required.

Hand protection No special protective equipment required.

Eye protection Tightly fitting safety goggles

Skin and body protection Wear suitable protective equipment.

Note: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

General protective and hygiene measures Smoking, eating and drinking should be prohibited in the application area.

Avoid contact with skin, eyes and clothing.

Take off all contaminated clothing immediately.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Information on environmental protection regulations No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form glass capsule

Colour brown

Odour characteristic

Odour threshold not determined

pH not applicable

Melting point [°C] not applicable

Boiling point [°C] not applicable

Flash point [°C] > 100 °C

Flammability No data available

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Explosion limits [Vol-%]

Lower limit: not determined

Upper limit: not determined

Risk of explosion. Not explosive

Vapour pressure [kPa] No data available

Water solubility [g/l] insoluble

Partition coefficient n-octanol / water (log P O/W) Not applicable.

Autoignition temperature [°C] not determined

Autoinflammability not auto-flammable

SECTION 10: Stability and reactivity

10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid No special technical protective measures required.

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg]

Value	Test criterion	Test species	Remarks
> 5000	LD50	rat	2-hydroxypropyl methacrylate (CAS 27813-02-1)

Dermal toxicity [mg/kg]

Value	Test criterion	Test species	Remarks
> 5000	LD50	rabbit	2-hydroxypropyl methacrylate (CAS 27813-02-1)

Irritant effect on skin no data available

Irritant effect on eyes no data available

Irritant effect on the respiratory tract No data available

Sensitization no data available

11.2 Additional information

Other information (chapter 11.) The product itself has not been tested.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l]

Value	Test criterion	Test species	Duration of dosage	Measuring method	Remarks
493	LC50	Leuciscus idus (Golden orfe)	48 h	DIN 38412	2-hydroxypropyl methacrylate (CAS 27813-02-1)

Toxicity to daphnia [mg/l]

Value	Test criterion	Test species	Exposure duration	Measuring method	Remarks
380	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guide-line 202	2-hydroxypropyl methacrylate (CAS 27813-02-1)

Toxicity to algae [mg/l]

Value	Test criterion	Test species	Exposure duration	Measuring method	Remarks
345	EC50	Selenastrum capricornutum	72 h	OECD Test Guide-line 201	2-Hydroxypropylmethacrylat (CAS 27813-02-1)

NOEC (Daphnie) [mg/l]

Value	Duration of dosage	Test species	Measuring method	Test criterion	Remarks
24,1	21 d	Daphnia magna (Big water flea).	OECD TG 202	NOEC	2-hydroxypropyl methacrylate (CAS 27813-02-1)

12.2 Persistence and degradability

Elimination and distribution mechanisms There is no data available for this product.

Biodegradability

Remarks: No data available

12.3 Bioaccumulative potential

Bioaccumulation no data available

Bioconcentration factor (BCF) No data available

12.4 Mobility in soil

Distribution in the environment No data available

Mobility

Mobility: No data available

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Further information on ecology

No information on ecology is available. The product itself has not been tested.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations

Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

The product should not be allowed to enter drains, water courses or the soil.

Waste Code

Product

200127 – paint, inks, adhesives and resins containing dangerous substances

080000 – WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

080400 – wastes from MFSU of adhesives and sealants (including waterproofing products)

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

Uncleaned empty packaging

Empty packaging: Empty containers should be taken for local recycling or waste disposal.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
Proper shipping name		Non dangerous good	Non dangerous good

14.8 Additional information

Other information (chapter 14.)

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

SECTION 15: Regulatory information

15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-phrases R36: Irritating to eyes.
R43: May cause sensitisation by skin contact.

Relevant H-phrases H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Wording of the hazard classes Skin Sens.: Skin sensitization
Eye Irrit.: Serious eye irritation

Classification for mixtures
and used evaluation method
according to regulation (EC)
1207/2008 [CLP]

Classification	Evaluation
Skin Sens. 1; H317	Calculated

Recommended restrictions None under normal processing.

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.