

Rigips Rimat 160 R

1 Identification of the mixture and the company

1.1 Product identifier

Rigips Rimat 160 R

1.2 Relevant identified uses of the mixture and uses advised against

Gypsum-lime based plaster for interior use.

1.3 Details of the supplier of the safety data sheet

Saint-Gobain Rigips Austria GesmbH
Wiener Neustädterstraße 63
A-2734 Puchberg, Austria

Telephone no. +43 (0)2636 2203-616

Fax no. +43 (0)2636 2203-625

Responsible person

Sandra Wirkner, PhD
e-mail: sandra.wirkner@saint-gobain.com

1.4 Emergency telephone number

For medical advice: +43 (0)1 406 43 43 (Vergiftungsinformationszentrale Vienna)

Hazards identification

2.1 Classification of the substance on ingredients

Acc. to Directive 1999/45/EC

Not classified as dangerous.

Acc. to CLP-Regulation (EC) No. 1272/2008

Serious damage to eyes (Category 2)

H 319 Causes serious eye irritation

2.2 Label elements

Acc. to Directive 1999/45/EC

Not labelled.

Acc. to CLP-Regulation (EC) No. 1272/2008



Warning

H 319

Causes serious eye irritation

P 102

Keep out of reach of children

P 280

Wear eye protection

P 305+351+338

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P 337+313

If eye irritation persists: Get medical attention

Hazardous ingredient for labelling

Calcium hydrate (Calcium dihydroxide)

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2.3 Other hazards

Dust	In high concentration may irritate respiratory system.
Skin	May cause dryness of skin when exposed for long time.

3 Composition / information on ingredient

3.2 Mixture

Description

Rimat 160 R is a mixture of following compounds and in-toxic additives

Hazardous ingredients

Calcium dihydroxide²

EC-No	215-137-2	CAS-Nr.	1305-62-0
Concentration		1 - 3	%-b.w.
Classification acc.		Xi	
Regulation 67/548/EC		R37/38-41	
Classification acc CLP-VO (EU) 1278/2008		Eye dam. 1, Skin irr. 2, STOT SE 3	H 315, H318, H335

Calcium sulfate²

EC-Nr.	231-900-3	CAS-Nr.	7778-18-9
Concentration		25 - 35	%-b.w.

No classification acc. to Regulation 67/548/EC and CLP-Directive (EU) 1278/2008

Perlite²

Concentration	< 1	%-b.w.
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² Please consider the maximum allowed workplace concentration values for these components in Section 8.
The exact wording of the stated R- and H-phrases as well as the hazard categories is given in Section 16.

4 First aid measures

4.1 Description of first aid measures

General information

In case of eye contact, follow the given instruction immediately.

After inhalation

Ensure supply of fresh air. In case of shortage of breath, provide oxygen. If unconscious place in recovery position and seek medical advice

After skin contact

Wash off immediately with soap and water. When needed use skin crème. In case of skin irritation contact a dermatologist

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water or using a flask containing sterile sodium chloride solution for at least 15 minutes, holding the eyelids apart. At any times seek medical advice by an oculist.

After ingestion

Drink plenty of water and seek medical advice.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms concerning irritations depend on concentration, amount and duration

Eye: Turbidity; Perforation of cornea; Injury on iris and vitreous

Skin: Erythema; Blisters; Erosion; Necrosis

Respiratory system: Coughing, shortness of breath. Burning sensation in nose, mouth or throat

Intestinal tract: Redness -> Swelling of mucous membranes in mouth and throat -> hyaline covering and ulceration; injury of esophagus and stomach without signs of corrosion; Vomiting; Pain in mediastinum and upper abdomen; Dysphagia -> shock symptoms

4.3 Identification of any immediate medical attention and special treatment needed

Immediate dilution in the effected area to reduce the risk of necrosis has highest priority.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adjust to surrounding.

Extinguishing media that must not be used for safety reasons

None

5.2 Special hazards arising from the mixture

None

Special protective equipment for fire-fighters

None

5.3 Advice for fire-fighters

Product hardens in contact with water

6 Accidental release measures

6.1 Personal precaution, protective equipment and emergency procedures

Avoid contact with eyes and skin. Use protective goggles and gloves. Follow protective measures given in Section 7 and 8.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for contained and cleaning up

Take up spilled product in dry condition. Product hardens in contact with water. (see Section 13).

6.4 Reference to other sections

Protective measures stated in Section 8

Disposal stated in Section 13

7 Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Keep container tightly closed to avoid dust. Use at any times safety goggles and gloves.

7.2. Conditions for safe storage, including any compatibilities

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

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Requirements for storage rooms and vessels

Store in dry condition and avoid humidity. Seal open bags. Keep only in the original container. Avoid container of light metal.

Recommended storage temperature

Room temperature

7.3 Specific end use

Gypsum-lime plaster for interior use.

8 Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits according Austrian Grenzwertverordnung 2007

Calcium hydroxide	CAS-Nr.	1305-62-0	MAC	2 I / 4 I mg/m ³	8x5 min (Iv)
Calcium sulphate	CAS-Nr.	7778-18-9	MAC	5 R / 10 R mg/m ³	2x50 min (M)
Perlite			MAC	5 I / 10 I mg/m ³	2x30 min (M)
Dust, inhalable				10 I / 20 I mg/m ³	
				5 R / 10 R mg/m ³	

MAC Maximum allowable concentration

I Inhalable

R Respirable

Iv Instantaneous value

M Mean value

8.2 Exposure controls / personal protection

General protective and hygiene measures

Follow the general protection measures for handling chemicals. Do not eat or drink during work - no smoking. After completion of tasks, the affected skin areas must be thoroughly cleaned. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin.

Respiratory protection

Use dusk masks in dusty or insufficiently ventilated condition.

Skin protection

When an irritation has to be expected, use protective gloves. Design operations thus to avoid permanent use of protective gloves.

Eye protection

Tightly fitting safety glasses (EN 166).

Personal protection

Standard work ware

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Powder
Colour	Off-white - light grey
Odour	Odourless

Important health, safety and environmental information

Decomposition temperature

In CaSO ₄ x ½ H ₂ O and H ₂ O	About 140 °C
In CaSO ₄ and H ₂ O	About 700 °C
In CaO and SO ₃	About 1000 °C

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Bulk density

Value approx. 1300 kg/m³
Reference temperature 20 °C

Solubility in water

Hardly soluble 2 g/L

pH-Value

Value of suspension approx. 11
Reference temperature 20 °C

9.2 Other information

None

10 Stability and reactivity

10.1 Reactivity

Materials to avoid: No materials known

10.2 Chemical stability

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Mixing with an aqueous solution of sodium carbonate will result in the formation of carbon dioxide.

10.4 Conditions to avoid

Stable under the conditions recommended for storage in Section 7.

10.5 Incompatible materials

No incompatible materials of the product known. Calcium dihydroxide reacts with carbon dioxide to form calcium carbonate and with acid to form calcium salts. With ignoble metals in aqueous solution, hydrogen is released.

10.6 Hazardous decomposition products

Decomposition takes place from temperatures above 1450 °C in CaO and SO₃.

11 Toxicological information

11.1 Information on toxicological effects

No toxicological test has been completed on the product itself.

Primary effect

Eye Serious damage to eyes

For classification relevant LD/LC₅₀-value of components

Calcium hydroxide

Acute oral toxicity LD₅₀ oral rat: 7340 mg/kg (IUCLID)
Symptom: irritation of gastrointestinal-tract
Acute inhalative toxicity Symptom: irritation of mucosa; cough
Skin irritation Rabbit: No irritation (OECD 404)
With perspiration/humidity: Danger of corrosion
Further information Additional hazardous properties possible

Sensitization

No effect anticipated.

Information by experience

Contact with the eye leads untreated to serious damage of the eyes. Long-term exposure causes dryness and irritation of skin.

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Other information

Mixture is classified acc. to Regulation (EC) No 1272/2008 Annex I and Directive 1999/45/EC.

12 Ecological information

12.1 Toxicity	No data of the mixture available.
12.2 Persistence and degradability	No data of the mixture available.
12.3 Bioaccumulative potential	No data of the mixture available.
12.4 Mobility in soil	No data of the mixture available.
12.5 Results of PBT and vPvB assessment	No data of the mixture available.
12.6 Other adverse effects	Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants. Water hazard class 1 (self-evaluation): low hazardous to water

13 Disposal considerations

13.1 Waste treatment methods

Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

Waste code 31445g (ÖNORM 2100):

Waste name Gypsum-based waste with product specific contaminated with dangerous substances

European Waste Catalogue

170801 (gypsum-based construction materials contaminated with dangerous substances)

Remark: The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Packaging

Completely discharge packaging and dispose as hazardous waste.

14 Transport information

Not classified as dangerous in terms of transport regulations

14.1 UN number	Not to apply
14.2 UN proper shipping name	Not to apply
14.3 Transport hazard class	Not to apply
14.4 Packing group	Not to apply
14.5 Environmental hazard	Not to apply
14.6 Special precaution for users	Not to apply
14.7 Transport in bulk acc. to Annex II of MARPOL-73/78 and the IBC-Code	Not to apply

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15 Regulatory information

15.1 Safety, health and environment regulations / legislation specific for the mixture

This SDS complies with Regulation (EC) No 1907/2006 (REACH).

National regulations:

Austria

The product is not classified as hazardous according to ChemV 1996. According to CLP-Regulation (EC) No. 1272/2008 the product is classified and labelled as hazardous.

Germany

Water hazard class acc. VwVwS of 17.05.1999/Annex 2.
WGK1 (low hazardous to water)

15.2 Chemical safety assessment

Of the product no safety assessment has been accomplished.

16 Other information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give advice about the safe handling of the product named in this safety data sheet, processing, transport and disposal, but does not guarantee any product properties. Further, it does not constitute any legal position. The classification according to Directive 1999/45/EC and Regulation (EC) No 1272/2008 is based on the evaluation of single components according to Annex 6 of the Regulation (EC) No.1272/2008, information of the supplier and the database on hazardous substances (GESTIS). This SDS is a translation of the German version and complies with legal requirements in Austria.

Relevant R-phrase (Section 3)

R 37/38 Irritating to respiratory system and skin
R 41 Risk of serious damage to eyes.

Relevant H-phrases (Section 3)

H 315 Causes skin irritation
H 318 Causes serious eye damage
H 335 May cause respiratory irritation

Relevant Hazard Categories

Skin irr. 2 Irritation to skin (Category 2)
Eye dam. 1 Serious damage of eyes (Category 1)
Eye dam. 2 Serious damage of eyes (Category 2)
STOT SE 3 Specific target organ toxicity - single exposure (Category 3)

Issuer of the SDS

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