

# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II and Regulation (EU) 2015/830



Product identifier: **Knauf Rotband**

Version: 1.01/EN

Date of compilation: 28.12.2015.

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

### 1.1. Product identifier

**Knauf Rotband**

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

Gypsum plaster with special lightweight aggregate additives for interior walls and ceilings.

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

Manufacturer: SIA Knauf  
Company register No: LV40003219730  
Manufacturer's address: Daugavas iela 4, Stopiņu nov., Saurieši, LV-2118, Latvija  
Telephone / fax: +371 67032999 / +371 67032969  
E-mail: info@knauf.lv  
Web site: www.knauf.lv  
Person responsible for this SDS: info@knauf.lv

### 1.4. Emergency telephone number

Emergency medical care: (+371) 113  
State Fire and Rescue Service: (+371) 112  
Centre of Poisoning and Drug Information: (+371) 67042473 (24 h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008:

Mixture classification: Eye Dam. 1; H318  
Physical and chemical hazards: The mixture does not meet the criteria for classification.  
Human health hazards: Causes serious eye damage.  
Environmental hazards: The mixture does not meet the criteria for classification.

### 2.2. Label elements

According to Regulation (EC) No 1272/2008:

Hazard pictograms:



Signal word: Danger  
Hazard statements: H318 Causes serious eye damage  
Supplemental hazard information: None.  
Precautionary statements:  
General: P102 Keep out of reach of children  
Prevention: P280 Wear protective gloves/protective clothing/eye protection/face protection  
Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P315 Get immediate medical advice/attention  
Storage: None.  
Disposal: P501 Dispose of contents/container in accordance with local/regional/national/international regulation

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The identity of substances that contribute to the classification: Calcium dihydroxide

Supplemental label elements: Not necessary.

Packaging to be fitted with child-resistant fastenings: Not necessary.

Packaging to be fitted with a tactile warning: Not necessary.

## 2.3. Other hazards

PBT or vPvB criteria: This mixture does not contain any substances that are assessed to be a PBT or a vPvB and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of the Regulation (EC) 1907/2006.

Other hazards which do not result in classification: The mixture produces an alkaline reaction when exposed to moisture and can act irritating.  
For information regarding health effects and symptoms, as well as environmental effects, see sections 11 and 12 respectively.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical characterisation: Dry mixture of calcium sulphate hydrates (various hydration degrees) and additives (hydrated lime, cellulose ether, lightweight mineral additives, surfactants, natural oxycarbonic acids).

Ingredients declaration according to Regulation (EC) No 1272/2008:

Chemical name	EC number	CAS number	Conc., %	Classification		
Calcium dihydroxide, Ca(OH) <sub>2</sub>	215-137-3	1305-62-0	< 5	Skin Irrit. 2 Eye Dam. 1 STOT SE 3	H315 H318 H335	[1] [2]

The main ingredient, which is not classified as hazardous:

Calcium sulphate, CaSO <sub>4</sub>	231-900-3	7778-18-9	> 85	-	-	[2]
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See section 16 for the full text of hazard classes and hazard statements.  
Workplace exposure limits, if available, are listed in section 8.

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Eye contact: Immediately rinse eyes with copious amounts of water at least 15 minutes, keeping eyelids open. Consult with oculist.

Skin contact: Wash thoroughly with plenty of water.

Inhalation: Supply and breathe fresh air. Rinse dust-exposed mucous membranes with water. If necessary, consult a doctor.

Ingestion: Rinse out mouth and then drink plenty of water. Consult a doctor.

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

Eye contact: Can cause serious eye irritation.  
Can cause mechanical damage of cornea surface, which intensify irritating action.

Skin contact: Lasting contact with mortar can cause skin irritation.  
Simultaneous mechanical action may intensify the effect.

Inhalation: Dust can cause respiratory system irritation. May cause cough.

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Ingestion: Swallowing of significant amounts is not likely.  
However, if swallowed, may cause irritation of digestive tract.

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

Instruction for physician: The mixture contains hydrated lime, which produces an alkaline reaction when exposed to moisture.  
Perform symptomatic treatment directed to alleviation of any effect.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: The product is not combustible.  
Use extinguishing media according to situation and surrounding materials.

Unsuitable extinguishing media: Not relevant to this product.  
Do not use extinguishing media unsuitable for surrounding materials.

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

Hazardous combustion products: Not relevant to this product.

### 5.3. Advice for firefighters

Special firefighting methods: Not relevant to this product.

Protective equipment for firefighters: Not relevant to this product. Use protective equipment according to dangerousness of surrounding burning materials.

Other information:

Product hardens after the contact with water.

## SECTION 6: Accidental release measures

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

For non-emergency personnel: Do not perform any actions, which may cause any personal risk, or without appropriate training. If necessary, use personal protective equipment.

For emergency responders: Avoid contact with skin and eyes.  
Avoid dust formation.  
Warning - mixed with water, the product forms slippery surface.  
Use personal protective equipment in accordance with section 8.

### 6.2. Environmental precautions

Due to alkaline reaction prevent entering of large product quantities into drainage system or water bodies.

### 6.3. Methods and material for containment and cleaning up

Pick up dry mechanically.  
Avoid dust formation and spreading.

### 6.4. Reference to other sections

*Note:* see section 1 for contact information at emergency situation, for personal protective equipment and for waste disposal – see sections 8 and 13 respectively.

Other information:

Product hardens after the contact with water.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

If followed instructions, no specific measures are needed.  
Prevent dust formation, direct contact with skin and eyes. See also section 4.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly sealed original packaging in dry conditions.  
Fire and explosion protection: No special measures required.

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## 7.3. Specific end use(s)

Use as gypsum plaster for interior walls and ceilings.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Applicable occupational exposure limit values:

Substance	TRGS 900 MAK, mg/m <sup>3</sup>	Latvian Cabinet Regulations No 325, mg/m <sup>3</sup>
Calcium dihydroxide	5	5
Calcium sulphate	6 <sup>a</sup>	-

<sup>a</sup> - respirable particulate fraction.

Biological limit values:

Not applicable.

Derived No Effect Level (DNEL):

Application area	Route of exposure	Effect on health	Value
<i>Calcium dihydroxide, 1305-62-0</i>			
Workers	Inhalation	Acute/short term exposure - local effects	4 mg/m <sup>3</sup>
Workers	Inhalation	Long term exposure - local effects	1 mg/m <sup>3</sup>
General population	Inhalation	Acute/short term exposure - local effects	4 mg/m <sup>3</sup>
General population	Inhalation	Long term exposure - local effects	1 mg/m <sup>3</sup>
<i>Calcium sulphate, 7778-18-9</i>			
Workers	Inhalation	Acute/short term exposure - systemic effects	5082 mg/m <sup>3</sup>
Workers	Inhalation	Long term exposure - systemic effects	21,17 mg/m <sup>3</sup>
General population	Inhalation	Acute/short term exposure - systemic effects	3811 mg/m <sup>3</sup>
General population	Inhalation	Long term exposure - systemic effects	2,29 mg/m <sup>3</sup>
General population	Oral	Long term exposure - systemic effects	1,52 mg/kg bw/day
General population	Oral	Acute/short term exposure - systemic effects	11,4 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

Environmental compartment	Value
<i>Calcium dihydroxide, 1305-62-0</i>	
Aqua (freshwater)	0,49 mg/l
Aqua (marine water)	0,32 mg/l
Aqua (intermittent releases)	0,49 mg/l
Sediment (freshwater)	No or insufficient data available at present.
Sediment (marine water)	No or insufficient data available at present.
Soil	1080 mg/kg soil dw
STP	3 mg/l
<i>Calcium sulphate, 7778-18-9</i>	
STP	100 mg/l

### 8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation, which is sufficient to maintain the concentration of ingredients under exposure limit values.

Personal protective equipment:

Respiratory protection:

In the case of high dust concentrations or, when the content of ingredients may exceed exposure limit values, use suitable breathing mask with dust filter P1 or FFP1.

Skin protection:

Hand protection:

In the case of lasting work, wear impermeable protective gloves.

Body protection:

Wear clinging and long-sleeved protective working garments and closed shoes.

Eye /face protection:

For protection against dust and mortar splashes wear tight fitting safety glasses.

Hygiene measures:

Wash hands before breaks and at end of work.

Due to alkaline mortar reaction appropriate hand care measures should be applied.

In the case of lasting work or, if skin is sensitive, the use of protective hand cream before handling with the product is recommended.

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Environmental exposure controls: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. See also sections 6 and 12.

## SECTION 9: Physical and chemical properties

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

Appearance:	
Physical state:	Powder
Colour:	White-beige, white, off-white
Odour:	Odourless.
Odour threshold:	No data available.
pH:	Not applied to dry product. ~ 10 -12 (water suspension)
Melting point / freezing point:	Not applicable.
Initial boiling point and boiling range:	Not applicable.
Flash point:	Not applicable.
Evaporation rate:	Not applicable.
Flammability (solid, gas):	Not applicable.
Upper / lower flammability or explosive limits:	Not applicable.
Vapour pressure:	Not applicable.
Vapour density:	Not applicable.
Density:	2,3 - 3,0 g/cm <sup>3</sup> (CaSO <sub>4</sub> ·xH <sub>2</sub> O, x = 0, ½, 2)
Solubility(ies):	In water: ~ 2 g/l
Partition coefficient: n-octanol/water:	Not applicable.
Auto-ignition temperature:	The product is not flammable.
Decomposition temperature (for gypsum):	To CaSO <sub>4</sub> and H <sub>2</sub> O: from ~ 140 °C To CaO and SO <sub>3</sub> : from ~ 1000 °C
Viscosity:	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	Not applicable.

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

At normal storage and handling conditions reactions are not anticipated.

### 10.2. Chemical stability

Stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

At normal storage and handling conditions hazardous reactions are not anticipated.

### 10.4. Conditions to avoid

Avoid damp conditions.

### 10.5. Incompatible materials

Not known.

### 10.6. Hazardous decomposition products

None, at ambient conditions.

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## SECTION 11: Toxicological information

The product as such has not been tested.

According to properties of its ingredients the product has been assessed as follows.

### 11.1. Information on toxicological effects

Acute toxicity: Toxic or harmful effects are not anticipated.

Ingredients:	Substance	Route of exposure, animal	Dose	Method
	Calcium dihydroxide	LD <sub>50</sub> , oral, rat	> 2000 mg/kg	OECD 425
		LC <sub>50</sub> , inhalation	No data.	
		LD <sub>50</sub> , dermal, rabbit, 24 h	> 2500 mg/kg	OECD 402

Skin corrosion/irritation: No data available.  
See also below in this section.

Serious eye damage/irritation: Causes serious eye damage.

Ingredients:	Substance	Route of exposure, animal	Conclusion	Method
	Calcium dihydroxide	Rabbit, eyes, 150 g/l	Irritating, category 1	OECD 405

Respiratory or skin sensitisation: No data available.  
Sensitising effects are not expected.

Germ cell mutagenicity: The product does not contain ingredients, which are classified as mutagenic.

Carcinogenicity: The product does not contain ingredients, which are classified as carcinogenic.

Reproductive toxicity: The product does not contain ingredients, which causes any known or suspected reproductive hazards.

Specific target organ toxicity (STOT):

Single exposure (STOT SE): No data available.

Repeated exposure (STOT RE): No data available.

Aspiration hazard: The mixture does not meet the criteria for classification.

Information on likely routes of exposure:

Can affect human's organism through inhalation, contact with skin, eyes and, not likely, ingestion.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact: Can cause serious eye irritation.  
Can cause mechanical damage of cornea surface, which intensify irritating action.

Skin contact: Lasting contact with mortar can cause skin irritation.  
Simultaneous mechanical action may intensify the effect.

Inhalation: Dust can cause respiratory system irritation. May cause cough.

Ingestion: Swallowing of significant amounts is not likely.  
However, if swallowed, may cause irritation of digestive tract.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Lasting contact with skin, interacting with skin moisture, may lead to irritation and skin inflammation.

Practical observations:

Direct contact causes eye irritation.

Other information:

According our present knowledge and experience with handling the product properly and according to recommendations any hazardous effects on human health are not anticipated.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available for this product.

### 12.2. Persistence and degradability

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Product is not readily biodegradable.

## 12.3. Bioaccumulative potential

Accumulation in live organisms is not anticipated.

## 12.4. Mobility in soil

According to its physical and chemical properties the mobility of this product in soil is generally low.

## 12.5. Results of PBT and vPvB assessment

Not relevant to this product.

## 12.6. Other adverse effects

Due to alkaline reaction do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product wastes and emptied packaging should be disposed in safe way according to local regulations. Do not empty product rests into sink or toilet bowl. Add water to dry rests, allow harden and, observing official regulations, deliver to construction and demolition waste dump or, in small quantities, add to municipal waste. Completely empty and cleaned out of dust packaging sacks can be recycled.

Waste classification:

Product:	Groups: 17 08 Gypsum-based construction materials; 17 09 Other construction and demolition waste. Classes: 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01; 17 09 04 Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.
Packaging:	Group: 15 01 Packaging (including separately collected municipal packaging waste). Class: 15 01 01 Paper and cardboard packaging.

## SECTION 14: Transport information

### 14.1. UN number

Not classified.

### 14.2. UN proper shipping name

Not classified.

### 14.3. Transport hazard class(es)

Not classified.

### 14.4. Packing group

Not classified.

### 14.5. Environmental hazards

Not anticipated.

### 14.6. Special precautions for user

Not necessary.

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

Not applicable.

Other information:

Non-dangerous goods according to international transport regulations.

## SECTION 15: Regulatory information

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

