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

1.1. Product identifier

Knauf Goldband

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.

Relevant identified uses:	Main use category:	Consumer use, professional use.
	Use of the substance/mixture:	Gypsum plaster with special lightweight aggregate additives for interior walls and ceilings.
Uses advised against:	No additional information available.	

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

European Emergency No: 112
Centre of Poisoning and Drug Information, Latvia: +371 67042473 (24 h)
Note for translators:
Please put there contact information of particular EU Member State National Poisons Information Centre.

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 and container in accordance with local/regional/ national/international regulation

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: The mixture does not contain any ingredients:
- which meet the PBT or vPvB criteria as laid down in Annex XIII to Regulation (EC) No 1907/2006,
- or which were included in the list established in accordance with Article 59(1) for having endocrine disrupting properties,
- or which were identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605,

at a concentration equal to or greater than 0.1 % by weight.

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, $Ca(OH)_2$	215-137-3 REACH Reg. No.: 01-2119475151-45-0147	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, $CaSO_4$	231-900-3 REACH Reg. No.: 01-2119444918-26-0XXX	7778-18-9	> 85	-	-	[2]

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

General information: Take off immediately all contaminated clothing and shoes that may cause / already cause skin contact with the product dust.

Emergency medical attention is required when there is:
- unconsciousness,
- stopping breathing or sudden breathing problems,
- has severe injury or severe bleeding that is life-threatening,
- signs of a heart attack (sudden pain behind the sternum),
- signs of a stroke (sudden weakness of one side),
- other **life-threatening situations**.

See also: https://www.nmpd.gov.lv/lv/kad-zvanit-113.

After first aid, monitor the condition of the affected persons.
Delayed effects after exposure is possible (blindness).
In case of accident, seek medical advice immediately.
In all cases of doubt, or when symptoms persist, seek medical attention.
If unconscious, place in recovery position and get medical attention immediately.
Wash contaminated clothing before reuse, clean shoes or discard them.

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.

Protection of first-aiders: Do not take any action that may cause any personal risk or without proper training. Protect yourself by providing help!
If necessary, use appropriate personal protective equipment. See also section 8.

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.

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 thermal decomposition 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.

Advice on general occupational hygiene:	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when handling the product. Wash hands after use. Take off contaminated clothing and protective equipment before entering eating areas.

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.

7.3. Specific end use(s)

Use as gypsum plaster with special lightweight aggregate additives for interior walls and ceilings.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Substance	Union occupational exposure limit values [TRGS 900 MAK, mg/m^3]	Latvian Cabinet Regulations No 325. mg/m^3
Calcium dihydroxide	-- [5]	1 [a] (8 h) / 4 [a] (15 min) (dust)
Calcium sulphate	-- [6 [a]]	--

[a] - respirable particulate fraction.

Note: Please refer also to your National occupational exposure limit values!

Biological limit values: Not applicable.

Derived No Effect Level (DNEL):

Application area	Route of exposure	Effect on health	Value
Calcium dihydroxide, 1305-62-0			
Workers	Inhalation	Acute/short term exposure - local effects	4 mg/m^3
Workers	Inhalation	Long term exposure - local effects	1 mg/m^3
General population	Inhalation	Acute/short term exposure - local effects	4 mg/m^3
General population	Inhalation	Long term exposure - local effects	1 mg/m^3
Calcium sulphate, 7778-18-9			
Workers	Inhalation	Acute/short term exposure - systemic effects	5082 mg/m^3
Workers	Inhalation	Long term exposure - systemic effects	21.17 mg/m^3
General population	Inhalation	Acute/short term exposure - systemic effects	3811 mg/m^3
General population	Inhalation	Long term exposure - systemic effects	2.29 mg/m^3
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**
	Calcium dihydroxide, 1305-62-0	
	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
	Calcium sulphate, 7778-18-9	
	STP	100 mg/l

Recommended monitoring procedures:

In household conditions: Not applicable.

Working in professional / industrial conditions:
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Management standards such as the following should be considered:
EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values),
EN 482 (Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents).

Control banding recommendations: None.

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 / FFP2 / FFP3.

Skin protection:

Hand protection: Wear impermeable protective gloves in accordance with EN 374.

Other: 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 in accordance with EN 166.

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.

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

Physical state:	Solid, powder
Colour:	White-beige, white, off-white
Odour:	Odourless
Odour threshold:	No data available.
pH:	Not applicable as delivered. ~ 10 -12 (water suspension)
Melting point/freezing point:	Not applicable.

Boiling point or initial boiling point and boiling range:	Not applicable.	
Flash point:	Not applicable.	
Flammability:	Not applicable.	
Lower and upper explosion limit:	Not applicable.	
Vapour pressure:	Not applicable.	
Relative vapour density:	Not applicable.	
Density and/or relative density:	2.3 - 3.0 g/cm^3 ($CaSO_4 \cdot xH_2O$, x = 0, ½, 2)	
Solubility:	In water: ~ 2 g/l	
Partition coefficient n-octanol/water (log value):	Not applicable.	
Auto-ignition temperature:	The product is not flammable.	
Decomposition temperature (for gypsum):	To $CaSO_4$ and H_2O:	from ~ 140 °C
	To CaO and SO_3:	from ~ 1000 °C
Kinematic viscosity:	Not applicable.	

9.2. Other information

Information with regard to physical hazard classes:	Not relevant.
Other safety characteristics:	
Evaporation rate:	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	Not applicable.
Formation of explosible dust/air mixtures:	None.

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

Does not occur under normal conditions of handling, use and storage.
Hazardous combustion products, if identified, are listed in section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The product as such has not been tested.
According to properties of its ingredients the product has been assessed as follows.

Acute toxicity: Based on available data, the mixture does not meet the criteria for classification.

Ingredients:	**Substance**	**Route of exposure, animal**	**Dose**	**Method**
	Calcium dihydroxide	LD_{50}, oral, rat	> 2000 mg/kg	OECD 425
		LC_{50}, inhalation	No data.	
		LD_{50}, dermal, rabbit, 24 h	> 2500 mg/kg	OECD 402

Skin corrosion/irritation: Based on available data, the mixture does not meet the criteria for classification.

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: Based on available data, the mixture does not meet the criteria for classification.

Germ cell mutagenicity: Based on available data, the mixture does not meet the criteria for classification.

Carcinogenicity: Based on available data, the mixture does not meet the criteria for classification.

Reproductive toxicity: Based on available data, the mixture does not meet the criteria for classification.

Specific target organ toxicity (STOT):

Single exposure (STOT SE): Based on available data, the mixture does not meet the criteria for classification.

Repeated exposure (STOT RE): Based on available data, the mixture does not meet the criteria for classification.

Aspiration hazard: Based on available data, 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, less 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.

Conditions which aggravate the effects of exposure:

Existing skin, eye and respiratory diseases.

11.2. Information on other hazards

Endocrine disrupting properties: The mixture does not contain any ingredients:
- which were included in the list established in accordance with Article 59(1) for having endocrine disrupting properties,
- or which were identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605,

at a concentration equal to or greater than 0.1 % by weight.

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. Based on data on the classification of its components, the mixture is not classified as dangerous for the environment.

12.2. Persistence and degradability

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

The mixture does not contain any ingredients that meet the PBT or vPvB criteria as laid down in Annex XIII to Regulation (EC) No 1907/2006.

12.6. Endocrine disrupting properties:

The mixture does not contain any ingredients:
- which were included in the list established in accordance with Article 59(1) for having endocrine disrupting properties,
- or which were identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605,

at a concentration equal to or greater than 0.1 % by weight.

12.7. 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.
Do not introduce the product into sewage treatment plants without preliminary neutralisation.

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.

Note: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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: 1501 Packaging (including separately collected municipal packaging waste). Classes: *Cleaned*: 150101 Paper and cardboard packaging; *Uncleaned*: 150110 Packaging containing residues of or contaminated by dangerous substances. Packaging should be emptied as completely as possible. After appropriate treatment it can be delivered for recycling. Recommended cleansing agents: dust removal with vacuum.

Other information:

Product residues / waste after contact with moisture or water form an alkaline environment and may be corrosive to aluminum or other active metals.
Do not empty into drains and until disposal store in an alkaline material proof container or container rented / supplied by a waste disposal company.

SECTION 14: Transport information

14.1. UN number or ID 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 classified.

14.6. Special precautions for user

Follow the instructions in sections 7 and 8.

Transport within user's premises:	Always transport in closed packaging, on pallets and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7. Maritime transport in bulk according to IMO instruments

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH)

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives

Republic of Latvia, Cabinet Regulation No 302 Adopted 19 April 2011 "Regulations About Waste Classifier and Properties, Which Makes Wastes Hazardous"

Republic of Latvia, Cabinet Regulation No 325 Adopted 15 May 2007 "Labour Safety Requirements in Contact with Chemical Substances at Work Places"

Note: Please refer also to your National regulations/legislation!

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.
Product ingredients assessment was carried out. Full information is available on the ECHA database.

Other information:

REACH Annexes:

Annex XIV:	Not applicable.
Annex XVII:	Not applicable.
Regulation 649/2015/EU:	Not applicable.
Regulation 1005/2009/EC:	Not applicable.
Regulation 850/2004/EC:	Not applicable.
Seveso III, Directive 2012/18/EU:	Not applicable.

SECTION 16: Other information

Recommendations for training:

In accordance with Article 35 of the REACH Regulation: *„Workers and their representatives shall be granted access by their employer to the information provided in accordance with Articles 31 and 32 in relation to substances or mixtures that they use or may be exposed to in the course of their work."*

Staff working with this product should be trained about the possible risks of personal protective equipment and first aid. All first aid instructions must be in accordance with safety, health and environmental regulations. Observe all safety and hygiene requirements for handling chemicals.
Written first aid instructions must be freely available at the workplace.

A key or legend to abbreviations and acronyms used in the safety data sheet:

PBT - persistent, bioaccumulative and toxic (substance)
vPvB - very persistent and very bioaccumulative (substance)
SVHC - substances of very high concern
ED - endocrine disruptive (substances with endocrine disrupting properties)
IMO - International Maritime Organization
TRGS - Technical Rules for Hazardous Substances, Germany
MAK - the highest permissible concentration in the workplace air, Germany
OECD - The Organisation for Economic Co-operation and Development
LD_{50} - lethal dose 50 percent kill
LC_{50} - lethal concentration 50 percent kill

Full text of hazard classes and hazard statements referred to in section 3:

Eye Dam. 1 - Serious eye damage, Hazard Category 1
Skin Irrit. 2 - Skin irritation, Hazard Category 2
STOT SE 3 - Specific target organ toxicity - Single exposure, Hazard Category 3

H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008:

Classification:	Classification procedure:
Eye Dam. 1; H318:	Calculation method.

Key literature references and sources for data:

Raw material suppliers' safety data sheets.
The European Chemicals Agency (ECHA) database and information system.

Information about safety data sheet revision:

Version No	Date	
1.01/EN	28.12.2015	Initial edition.
1.02/EN	03.05.2018	Revision No 1, changes in Sections 1, 2, 8, 9, 15 and 16 has been made.
2.00/EN	19.09.2022	Revision No 2, changes in Sections 1 - 16 has been made (complete renewal of SDS in accordance with the Commission Regulation (EU) 2020/878)

Company issuing safety data sheet:

This safety data sheet is prepared in SIA Knauf,
Daugavas iela 4, Saurieši, Stopiņu pagasts, Ropažu novads, LV-2118, Latvija, www.knauf.lv
Reference and information: Māris Bērziņš, E-mail: marisddl@gmail.com, phone: +371 28344602

Disclaimer:

The information provided in this Safety Data Sheet is based on the manufacturer's data and is correct to the best of the knowledge, but does not purport to be all-inclusive and shall be used only as a guide.
Employers should use this information only as supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.
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