

# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II and Regulation (EU) 2020/878



Product identifier: **Knauf Perlfix**

Version: 1.00/EN

Date of compilation: 29.03.2023

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

### 1.1. Product identifier

**Knauf Perlfix**

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

Mounting glue for attaching plasterboard panels to a masonry or concrete wall.

Relevant identified uses: Mounting glue for attaching plasterboard panels to a masonry or concrete wall.  
For professional and consumer use.

Uses advised against: Not identified.

### 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-lv@knauf.com  
Web site: www.knauf.lv  
Person responsible for this SDS: info-lv@knauf.com

### 1.4. Emergency telephone number

European Emergency No: 112  
Centre of Poisoning and Drug Information, Latvia: +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: None.

Physical and chemical hazards: The mixture does not meet the criteria for classification.

Human health hazards: The mixture does not meet the criteria for classification.

Environmental hazards: The mixture does not meet the criteria for classification.

### 2.2. Label elements

According to Regulation (EC) No 1272/2008:

Hazard pictograms: Not necessary.

Signal word: Not necessary.

Hazard statements: Not necessary.

Supplemental hazard information: Not necessary.

Precautionary statements:

General: Not necessary.

Prevention: Not necessary.

Response: Not necessary.

Storage: Not necessary.

Disposal: Not necessary.

The identity of substances that contribute to the classification: Not applicable.

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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, vPvB, SVHC or ED 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: No special remarkable hazards.  
Please observe the information given in this safety data sheet.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures:

Chemical characterisation: A mixture of calcium sulphate hemihydrate and cellulose ether.

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

**The mixture contains no dangerous substances exceeding the limits of the EU Regulation.**

Chemical name	EC number	CAS number	Conc., %	Classification	
Calcium sulphate; CaSO <sub>4</sub>	231-900-3	7778-18-9	> 95	-	- [2]
REACH Reg. No.: 01-2119444918-26-XXXX					

Workplace exposure limits, if available, are listed in section 8.

[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.  
**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 are unlikely.  
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.

Inhalation: Rinse dust-exposed mucous membranes with water.

Skin contact: Wash thoroughly with plenty of water.

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

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

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

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

Eye contact:	Can cause mild eye irritation. Can cause mechanical damage of cornea surface, which intensify irritating action.
Skin contact:	Lasting contact with mortar can cause mild 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 mild irritation of digestive tract.

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

Notes to physician:	Perform symptomatic treatment directed to alleviation of any effect.
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## 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:	Does not apply to the product.
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### 5.3. Advice for firefighters

Special firefighting methods:	Does not apply to the 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

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

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If followed instructions, no specific measures are needed.

Prevent dust formation and inhalation, 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 mounting glue for attaching plasterboard panels to a masonry or concrete wall.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limit values:

**Substance**

**Union occupational exposure limit values**  
[TRGS 900 MAK]

**Latvian Cabinet Regulations No 325, mg/m<sup>3</sup>**

Calcium sulphate

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[6<sup>a</sup> mg/m<sup>3</sup>]

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

Biological limit values:

Not regulated.

Derived No Effect Level (DNEL):

Application area	Route of exposure	Effect on health	Value
<i>Calcium sulphate, 7778-18-9:</i>			
Workers	Inhalation	Long term exposure - systemic effects	21.17 mg/m <sup>3</sup>
Workers	Inhalation	Acute / short term exposure - systemic effects	5082 mg/m <sup>3</sup>
General Population	Inhalation	Long term exposure - systemic effects	2.29 mg/m <sup>3</sup>
General Population	Inhalation	Acute / short term exposure - systemic effects	3811 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 sulphate, 7778-18-9:</i> Sewage treatment plant	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 689:2018+AC:2019 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values),  
EN 482:2021 (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.

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Skin protection:	
Hand protection:	In the case of lasting work, wear impermeable protective gloves.
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.
Thermal hazards:	Not applicable.
Hygiene measures:	Observe general precaution and hygiene measures. Wash hands before breaks and at end of work.
Environmental exposure controls:	Do not allow large product quantities to reach water courses 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:	Powder
Colour:	Beige white, white, grey white
Odour:	Odourless.
Odour threshold:	No data available.
pH:	Not applied to dry product. Water in suspension: ~ neutral.
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:	~ 2,7 g/cm <sup>3</sup>
Solubility:	In water: ~ 3 g/l (20 °C)
Partition coefficient n-octanol/water (log value):	Not applicable.
Auto-ignition temperature:	Not applicable.
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
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.

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## 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

The product as such has not been tested.

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

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

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

Serious eye damage/irritation: Based on available data, the mixture does not meet the criteria for classification.

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, not likely, ingestion.

Symptoms related to the physical, chemical and toxicological characteristics:

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

Skin contact: Lasting contact with mortar can cause mild 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 mild 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 skin dryness.

Practical observations:

Direct contact causes mild eye irritation.

### 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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

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

### 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 components that meet the PBT or vPvB criteria as defined in Regulation (EC) No. 1907/2006 in Annex XIII.

### 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

Under the intended conditions of use, no negative impact on the environment is expected.

## 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:	Group: 1708 Gypsum-based construction materials. Class: 170802 gypsum-based construction materials other than those mentioned in 170801.
Packaging:	Group: 1501 Packaging (including separately collected municipal packaging waste). Class: 150101 Paper and cardboard packaging.

Other information:

Product residues/waste is considered practically inert material.

Do not discharge product residues/waste into the sewer and store in mechanically resistant containers or in a container rented/supplied by a waste collection company until it is delivered for disposal.

## 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



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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, in the majority - on pallets, in a safe manner. 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

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

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

Chemical safety assessment for this mixture is not intended.

As part of the REACH registration process, a chemical safety assessment of calcium sulphate, a product component, has been carried out.

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/ES: 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:

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

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



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Classification:

None.

Classification procedure:

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	
1.00/EN	29.03.2023	Initial edition.

Company issuing safety data sheet:

This safety data sheet is prepared in SIA Knauf.

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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