

SAFETY DATA SHEET

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



Product identifier: **Knauf FPP - fire protection mortar**

Version: 2.00/EN

Replaces version 1.00/EN (26.08.2019), Revision No: 1

Revision: 09.05.2022

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

1.1. Product identifier

Knauf FPP - fire protection mortar

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

Fire protection mortar.

Identified uses:	Fire protection mortar. Only for industrial and/or professional use.
Uses advised against:	Non-professional (consumer) use.

1.3. Details of the supplier of the safety data sheet

Company:	Knauf Sp. z o.o.
Company address:	ul. Światowa 25, 02-229 Warszawa, Polska
Telephone:	+48 (0) 22 369 51 00
E-mail:	mail@knauf.pl
Web site:	www.knauf.pl
Person responsible for this SDS:	info@knauf.lv

1.4. Emergency telephone number

European Emergency No: 112

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:	Skin Irrit. 2; H315, Skin Sens. 1; H317, Eye Dam. 1; H318, STOT SE 3; H335.
Physical and chemical hazards:	The mixture does not meet the criteria for classification.
Human health hazards:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.
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:	H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage H335 May cause respiratory irritation

Supplemental hazard information: None.

Precautionary statements:

General:	P102	Keep out of reach of children
Prevention:	P261	Avoid breathing dust
	P280	Wear protective gloves/protective clothing/eye protection/face protection
Response:	P302 + P352	IF ON SKIN: Wash with plenty of water/soap

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	P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P312	Call a POISON CENTRE/doctor if you feel unwell
	P362 + P364	Take off contaminated clothing and wash it before reuse
Storage:	None.	
Disposal:	None.	
The identity of substances that contribute to the classification:	Cement, portland, chemicals	
Supplemental label elements:	Not necessary.	
Packaging to be fitted with child-resistant fastenings:	Not applicable.	
Packaging to be fitted with a tactile warning:	Not applicable.	

2.3. Other hazards

PBT or vPvB criteria:	Based on the manufacturer's data, the mixture does not contain any ingredients: <ul style="list-style-type: none">- 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:	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 consisting of calcium sulphate (gips), portland cement and perlite.

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

Chemical name	EC number	CAS number	Conc., %	Classification		
Cement, portland, chemicals	266-043-4 REACH Reg. No.: Exemption	65997-15-1	15 - 20	Skin Irrit. 2 Skin Sens. 1 * Eye Dam. 1 STOT SE 3	H315 H317 * H318 H335	[1]
<i>Manufacturer's data</i>						

The main ingredient, which is not classified as hazardous:

Calcium sulphate (Gips)	231-900-3 REACH Reg. No.: 01-2119444918-26-0167	7778-18-9	70 - 80	-	-
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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 Union workplace exposure limits and hence require reporting in this section.

* Portland cement contains less than 2 ppm soluble Cr VI and is classified with Skin Sens. 1; H317 for precautionary purposes.

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

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.
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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, allergic reaction).

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: Remove casualty from exposure ensuring one's own safety whilst doing so.
Consult a doctor.

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.
Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.
Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting.
If conscious, give half a litre of water to drink immediately.
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

General: Immediate effects can be expected after short-term exposure.

Eye contact: There may be pain and redness.
The eyes may water profusely.
There may be severe pain.
The vision may become blurred.
May cause permanent damage.

Skin contact: There may be irritation and redness at the site of contact.
May cause an allergic skin reaction.

Inhalation: May cause respiratory irritation.
There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be soreness and redness of the mouth and throat.
Nausea and stomach pain may occur.

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

Eye bathing equipment should be available on the premises.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media: Do not use extinguishing media unsuitable for surrounding materials.
Water jet or spray can damage the material of product bag.

5.2. Special hazards arising from the substance or mixture

Hazardous thermal decomposition products: In combustion emits toxic fumes.

5.3. Advice for firefighters

Special firefighting methods: Not relevant to this product.

Protective equipment for firefighters: Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

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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.

For emergency responders: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

6.2. Environmental precautions

Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Transfer to a closable, labelled salvage container for disposal by an appropriate method.
Dispose of in accordance with section 13.

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the mixture.
Ensure there is sufficient ventilation of the area.
Avoid the formation or spread of dust in the air.

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 a cool, well ventilated area. Keep container tightly closed.
Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Use as fire protection mortar. Only for industrial and/or professional use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values: Union workplace exposure limit values for this product's components are not applicable.
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
<i>Calcium sulphate, 7778-18-9</i>			
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	5.29 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
<i>Calcium sulphate, 7778-18-9</i> STP	100 mg/l

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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 there is sufficient ventilation of the area.

Personal protective equipment:

Respiratory protection: Respiratory protective device with particle filter, e.g. P1 / P2 or FFP1 / FFP2 / FFP3. Self-contained breathing apparatus must be available in case of emergency.

Skin protection:

Hand protection: Protective gloves, such as Nitrile rubber or neoprene in accordance with EN 374. Material thickness: 0.2 - 0.4 mm. Penetration time: > 60 minutes.

Other: Wear suitable protective clothing.

Eye/face protection: Tightly fitting safety goggles in accordance with EN 166. Ensure eye bath is to hand.

Hygiene measures: Observe general safety and hygiene measures. Wash hands before work breaks and at the end of workday.

Environmental exposure controls: Prevent from entering in public sewers or the immediate environment. 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:	Off-white
Odour:	Odourless
Odour threshold:	No data available.
pH:	Not applicable as delivered. > 11.5 (in aqueous 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:	About 900 kg/m ³ (after full cure)
Solubility:	In water: Partially soluble
Partition coefficient n-octanol/water (log value):	Not applicable.
Auto-ignition temperature:	Not applicable.

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Decomposition temperature: No data available.

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

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat. Damp conditions.

10.5. Incompatible materials

Strong acids.

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

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

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

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): May cause respiratory irritation.

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: There may be pain and redness. The eyes may water profusely.

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	There may be severe pain. The vision may become blurred. May cause permanent damage.
Skin contact:	There may be irritation and redness at the site of contact. May cause an allergic skin reaction.
Inhalation:	May cause respiratory irritation There may be irritation of the throat with a feeling of tightness in the chest.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Immediate effects can be expected after short-term exposure.

11.2. Information on other hazards

Endocrine disrupting properties:	Based on the manufacturer's data, 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

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

Ingredients:	Substance	Route of exposure, species	Dose
	Calcium sulphate (Gips)	EC ₅₀ , daphnia, <i>Daphnia magna</i> , 48h EC ₅₀ , fish, 48h ErC ₅₀ , algae, <i>Selenastrum capricornutum</i> , 72h	> 79 mg/l > 79 mg/l 79 mg/l

12.2. Persistence and degradability

Not biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation potential.

12.4. Mobility in soil

No data available.

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:

Based on the manufacturer's data, 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

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste should be treated as controlled waste.

Dispose of at a licensed waste disposal site in accordance with the requirements of the local authority.

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

Waste classification:

Product:	Groups: 1708 Gypsum-based construction materials; 1709 Other construction and demolition waste.
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Classes: 170802 gypsum-based construction materials other than those mentioned in 170801;
170904 Mixed construction and demolition wastes other than those mentioned in 170901, 170902 and 170903.

Packaging: Group: 1501 Packaging (including separately collected municipal packaging waste).
Classes: 150101 Paper and cardboard packaging; 150102 Plastic packaging.

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.
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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.

Other information:

REACH Annexes:

Annex XIV:

Not applicable.

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Annex XVII:	47. Chromium VI compounds.
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
EC₅₀ - average effective concentration
ErC₅₀ - the concentration of test substance which results in a 50 percent reduction in growth rate relative to the control

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
Skin Sens. 1 - Sensitisation - Skin, Hazard Category 1
STOT SE 3 - Specific target organ toxicity - Single exposure, Hazard Category 3

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
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:

<u>Classification:</u>	<u>Classification procedure:</u>
Skin Irrit. 2; H315:	Calculation method.
Skin Sens. 1; H317:	Expert judgement based on the fact that although product ingredient Portland cement contains less than 2 ppm soluble Cr VI it is classified with Skin Sens. 1; H317 for precautionary purposes.
Eye Dam. 1; H318:	Calculation method.
STOT SE 3; H335:	Calculation method.

Key literature references and sources for data:

Manufacturer's information and product Technical Data Sheet.

Information about safety data sheet revision:

Version No	Datums	
1.00/EN	26.08.2019	Initial edition.
2.00/EN	09.05.2022	Revizion No 1: Sections 1 to 16 have been modified in accordance with the requirements of 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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