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

1.1. Product identifier

Gypsum plasterboard, type DFIRH2 according to EN 520, Knauf BLUE

Synonym: GKFI

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

Extremely durable, as well as impregnated and fireproof gypsum plasterboard for building structures with increased requirements.

Identified uses:	Extremely durable, as well as impregnated and fireproof gypsum plasterboard for building structures with increased requirements. 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@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)
Information relating to other EU Member States, please see here:
http://ec.europa.eu/growth/sectors/chemicals/poison-centres_en
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:

Article classification:	Not classified.
Physical and chemical hazards:	The article does not meet the criteria for classification.
Human health hazards:	The article does not meet the criteria for classification.
Environmental hazards:	The article 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.
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 article 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: 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: Plasterboard consists of gypsum core with carton coating. Gypsum core contains fibreglass, auxiliary substances and is impregnated with silicon hydrophobic agent.

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

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

Chemical name	EC number	CAS number	Conc., %	Classification	
Calcium sulphate; $CaSO_4$	231-900-3 REACH Reg. No.: 01-2119444918-26-0XXX	7778-18-9	> 60	-	[2]

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.

[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 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: Not necessary.

Skin contact:	Not necessary.
Eye contact:	After the contact with plasterboard dust, which may arise during the processing of the board, flush the eyes thoroughly under clean running water.
Ingestion:	Not applicable - ingestion practically is unlikely.

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

Eye contact:	Dust can cause slight eye irritation.
Skin contact:	Significant dermal effects are not expected.
Inhalation:	Significant effects through inhalation are not expected.
Ingestion:	Not applicable - ingestion practically is unlikely.

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

Notes to physician:	Special measures are not necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	The article is not combustible. Use extinguishing media according to situation and surrounding materials.
Unsuitable extinguishing media:	Not relevant to this article. Do not use extinguishing media unsuitable for surrounding materials.

5.2. Special hazards arising from the substance or mixture:

Hazardous thermal decomposition products:	Under fire conditions small amounts of carbon monoxide and carbon dioxide can be released.

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 situation and surrounding materials.

Other information:

After the contact with water the product may lose its quality.

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:	Avoid dust formation. It is recommended to use the mask with dust filter.

6.2. Environmental precautions

Collect any scattered articles or those broken parts not to contaminate the environment.

6.3. Methods and material for containment and cleaning up

Pick up dry mechanically and, if possible, use as intended or dispose of in accordance with section 13.
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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

If used according to instructions, any special measures are not necessary.
Avoid dust formation during installation and / or processing work. Avoid breathing dust.

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 dry conditions. Fire and explosion protection: No special measures required.

7.3. Specific end use(s)

Use as extremely durable, as well as impregnated and fireproof gypsum plasterboard for building structures with increased requirements.

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 sulphate *	-- [6 [a]]	--
Carton *	-- [--]	2 (8 h) (dusts, plant and animal nature: of paper)
Fiberglass *	--	2 (8 h)

[a] - respirable particulate fraction
* - significant release of the component dust in the workplace air is possible as a result of mechanical processing / cutting of plasterboard, especially when high-speed tools are used.

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

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: Not applicable.

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, for example as a result of plate splitting, use suitable breathing mask with dust filter FFP1 / FFP2 / FFP3.
- Skin protection:
  - Hand protection: It is recommended to wear protective gloves, such as leather, in accordance with EN 388.
  - Body protection: Wear work protective clothing with elastic cuffs and a tight-fitting collar.
- Eye/face protection: If dust is generated, wear safety goggles in accordance with EN 166.

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

Environmental exposure controls: Do not contaminate the environment with the article offcuts.
See also sections 6 and 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Board	
Colour:		
Gyps:	White, white-beige, off-white	
Carton:	Blue	
Odour:	Odourless.	
Odour threshold:	No data available.	
pH:		
Dry article:	Not applicable.	
Suspension in water:	6 - 9	
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:	1,02 - 1,03 g/cm^3 (average density)	
Solubility:	In water: ~ 2 g/l (20 °C; $CaSO_4 \cdot 2H_2O$)	
Partition coefficient n-octanol/water (log value):	Not applicable.	
Auto-ignition temperature:	Not applicable.	
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

Plasterboard is an article and is not classified as hazardous.

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

Acute toxicity:	Based on available data, the article does not meet the criteria for classification.
Skin corrosion/irritation:	Based on available data, the article does not meet the criteria for classification.
Serious eye damage/irritation:	Based on available data, the article does not meet the criteria for classification.
Respiratory or skin sensitisation:	Based on available data, the article does not meet the criteria for classification.
Germ cell mutagenicity:	Based on available data, the article does not meet the criteria for classification.
Carcinogenicity:	Based on available data, the article does not meet the criteria for classification.
Reproductive toxicity:	Based on available data, the article does not meet the criteria for classification.

Specific target organ toxicity (STOT):

Single exposure (STOT SE):	Based on available data, the article does not meet the criteria for classification.
Repeated exposure (STOT RE):	Based on available data, the article does not meet the criteria for classification.
Aspiration hazard:	Based on available data, the article does not meet the criteria for classification.

Information on likely routes of exposure:

Practically human's organism can be affected only by dust resulting from mechanical processing / cutting of plasterboard, through inhalation or eye contact.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact:	Dust can cause slight eye irritation.
Skin contact:	Significant dermal effects are not expected.
Inhalation:	Significant effects through inhalation are not expected.
Ingestion:	Not applicable - ingestion practically is unlikely.

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

Prolonged contact may cause skin dryness.

Practical observations:

Dust can cause slight eye irritation.

11.2. Information on other hazards

Endocrine disrupting properties:	The article 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

This article is considered to be an environmentally safe.

12.2. Persistence and degradability

The main components practically are not biologically degradable or degrade weakly.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Generally this article is not mobile. Water solubility of the main ingredient (gypsum) is low.

12.5. Results of PBT and vPvB assessment

The article 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 article 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

Product wastes and emptied packaging should be disposed in safe way according to local regulations.
The information given below refers to the article in the state as it is delivered or the one used in construction and is situated within construction and demolition waste of class 170904.
Different use of this article, e.g. mixing with other materials, may have a significant influence the classification of waste and the appropriate method of disposal.

Waste classification:

Article:	Groups: 1708 Gypsum-based construction materials; 1709 Other construction and demolition waste. 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: 15 01 Packaging (including separately collected municipal packaging waste). Classes: 150103 Wood packaging; 150106 Mixed packaging.

Other information:

Article residues / waste are considered to be solid and practically inert material.
Do not empty crushed article fine residues / wastes into drains.
Before disposal store article residues / waste in mechanically strong containers or in a container rented / delivered by a waste collection 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 anticipated.

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

This article main component (calcium sulphate) 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

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

Classification:	Classification procedure:
Not classified.	Calculation method.

Key literature references and sources for data:

Raw material suppliers’ safety data sheets.

Information about safety data sheet revision:

Not relevant - issue is new.

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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