

SAFETY DATA SHEET



legal basis:
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 (REACH)

Building Plaster

Creation date	25th April 2023	Version	1
Revision date			

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

- 1.1. Product identifier**
Substance / mixture Building Plaster mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Binding materials, fillers, fertilizers, food and feed additives, laboratory reagents, pharmaceutical substances, pH regulators, process regulators other than polymerization and vulcanization, absorbents for gases and liquids, dyes, complexometric agent. Product is intended for professional, industrial, private use as well as for scientific research, development and analysis.
Mixture uses advised against
The product should not be used in ways other than those referred in Section 1. Pure calcium sulfate is not a food or feed substance for humans and animals.
- 1.3. Details of the supplier of the safety data sheet**
Supplier
Name or trade name Siniat Sp. z o. o.
Address ul. Przechławska 8, Warszawa, 03-879
Poland
Phone +48 63 242 70 10
E-mail robert.owczarzak@etexgroup.com
Competent person responsible for the safety data sheet
Name Siniat Sp. z o. o.
E-mail robert.owczarzak@etexgroup.com
- 1.4. Emergency telephone number**
+48 63 242 70 10 int. 127 (7:00-15:00)
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.
Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements**
none
- 2.3. Other hazards**
Dust generated during work with the product may pose a risk of irritation to the respiratory tract, skin and eyes. The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust may form explosive mixture with air.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Composition: Product contains calcium sulfate and its natural impurities - calcium carbonate (dolomite) and silicon dioxide (silica). Manufacturer has a safety data sheet for each substance. This product is mainly composed of mineral raw materials, therefore, it may contain trace amounts of quartz. Mechanical action during use may result in the formation of dust containing quartz. In order to minimize the negative impact of quartz dust on the body, appropriate personal protective equipment should be used during product use - see section 8.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 7778-18-9 EC: 231-900-3 Registration number: 01-2119444918-26-0143	calcium sulfate	95-99	not classified as dangerous	
CAS: 14808-60-7 EC: 238-878-4	quartz (SiO ₂)	0-5	not classified as dangerous	
CAS: 1317-65-3 EC: 215-279-6	limestone	0,1-0,5	not classified as dangerous	

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Remove person to fresh air and keep comfortable for breathing. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash skin with soapy water.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Rinse out the mouth with clean water. Do not give water to the victim to drink, as the product hardens in the humid environment of the digestive tract. In the event of issues, find medical help.

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

If inhaled

Coughing, sneezing, dryness, and redness of the throat and nose.

If on skin

Local redness, swelling, itching, and drying in case of repeated contact.

If in eyes

Redness, swelling, pain, and blurred vision.

If swallowed

May cause intestinal obstruction.

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

Symptomatic treatment.

More information

Other relevant information is not available.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product is non-flammable under normal conditions of storage and use. Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

Not defined.

5.2. Special hazards arising from the substance or mixture

At temperatures above 140°C, gypsum decomposes to anhydrous calcium sulfate (CaSO₄) and water (H₂O); at temperatures above 700°C, it decomposes to calcium oxide (CaO) and sulfur trioxide (SO₃). In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8. Do not inhale dust. Provide sufficient ventilation.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13. Thoroughly ventilate the spill area.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of dust in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

Apart from the already mentioned guidelines, it is not necessary to follow any specific recommendations for the use of this product. Also refer to the product technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

DNEL

calcium sulfate

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	5082 mg/m ³	Acute effects systemic		
Workers	Inhalation	21.17 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	3811 mg/m ³	Acute effects systemic		
Consumers	Oral	11.4 mg/kg bw/day	Acute effects systemic		
Consumers	Oral	1.25 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	5.29 mg/m ³	Chronic effects systemic		

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calcium sulfate

Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	100 mg/l		

8.2. Exposure controls

Ensure adequate ventilation. Ensure workplace is equipped with a safety shower and eye wash station. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. More information is available at <http://www.siniat.ok/scinfo>

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed) according to EN 166

Skin protection

Hand protection: Protective gloves product resistant in accordance with EN ISO 374-1. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Contaminated skin should be washed thoroughly. Other protection: protective work- and footwear, according to EN 344.

Respiratory protection

A dust filter mask (FFP2) should be worn in an environment with impaired ventilation. Equipment should comply with EN 14387.

Thermal hazard

Unknown.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white, brown, red, orange, grey, yellow
color intensity	light
Odour	without fragrance
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	1450 °C
Flammability	non-inflammable
Lower and upper explosion limit	not applicable
Flash point	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	140 °C (CaSO ₄ x 0,5 H ₂ O)
Decomposition temperature	700 °C (CaSO ₄)
Decomposition temperature	1180 °C (CaO i SO ₃)
pH	7 (10% solution)
Kinematic viscosity	not applicable
Solubility in water	partially soluble (CaSO ₄ x 0,5 H ₂ O; ok. 8,9 g/L, 20°C)
Partition coefficient n-octanol/water (log value)	not determined
Vapour pressure	not applicable
Density and/or relative density	
Density	2,6 g/cm ³ (CaSO ₄ x 0,5 H ₂ O)
Relative vapour density	not applicable
Particle characteristics	<1mm (99%)
Form	solid: particulate/powder

9.2. Other information

Bulk density	0,9-1,1 g/cm ³
none	

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SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect from moisture. Keep away from heat sources. Decomposition occurs at temperatures above 700°C.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous products such as carbon monoxide and dioxide, sulfur oxides (SOx) are produced at high temperatures and during fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture. Inhaling dust above exposure limits for the workplace environment can lead to acute inhalation toxicity, depending on the concentration and exposure time.

Acute toxicity

Based on available data the classification criteria are not met.
calcium sulfate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀	OECD 420	>2000 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC ₅₀	OECD 403	>20 mg/l	4 hours	Rat (Rattus norvegicus)	

quartz (SiO₂)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>2000 mg/kg			
Dermal	LD ₅₀		>2000 mg/kg			

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

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11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Repetitive or prolonged exposure to gypsum dust concentrations above permissible values can cause chronic inflammation of the nose, larynx, throat, conjunctivitis, loss of smell, taste dulling, difficulty swallowing, and nosebleeds. None of the product's components are classified as carcinogenic, mutagenic, or reproductive toxicants.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

It is not expected to be harmful to the aquatic environment.

calcium sulfate

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	>100 mg/l	96 hours	Fish	
EC ₅₀	OECD 202	>700 mg/l	48 hours	Daphnia	
EC ₅₀	OECD 201	>100 mg/l	72 hours	Algae	
EC ₅₀	OECD 209	>790 mg/l	3 hours	Microorganisms	Activated sludge

12.2. Persistence and degradability

There are no ecotoxicological data available for the product. Ingredients are inorganic substances. Biological decomposition is not known because methods used to determine biodegradation do not apply to inorganic substances.

12.3. Bioaccumulative potential

There are no ecotoxicological data available for the product. Calcium sulfate does not exhibit accumulation potential.

12.4. Mobility in soil

There are no ecotoxicological data available for the product. Although the product is insoluble in water, some of its components may enter the aquatic environment and cause adverse changes.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Unknown.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
17 09 03 other construction and demolition wastes (including mixed wastes) containing hazardous substances *

Packaging waste type code

15 01 01 paper and cardboard packaging
15 01 06 mixed packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Emissions of dust during transport should be avoided by using manufacturer's packaging. Protect from getting wet.

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 of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. 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).

15.2. Chemical safety assessment

For mixtures, a chemical safety assessment is not required.

SECTION 16: Other information

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry

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LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

Uses advised against: Any type of use not listed in this Safety Data Sheet.

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

Version 1.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

Safety Data Sheet is available upon request for professional users.