

Supersedes date 27-Jul-2023

Revision date 09-Oct-2025

Revision Number 4

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

1.1. Product identifier

Product Name Gyproc Magnetic Plaster

Synonyms None

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

Recommended use Gypsum building plaster

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Supplier

Saint-Gobain Construction Products (Ireland) Limited
Unit 4 Kilcarbery Business Park
Nangor Road
Dublin 22
D22 R2Y7
Ireland
Tel: +353 (0)1 629 8444

For further information, please contact

E-mail address enquiries@gyproc.ie

1.4. Emergency telephone number

Emergency telephone ROI: 1800 744480
NI: 0845 3990159
(Monday - Friday, 9am - 5pm)

Emergency telephone - Contact number	
Europe	112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children.

2.3. Other hazards

Other hazards Product dust may be irritating to eyes, skin and respiratory system. Plaster may form an alkaline solution on contact with body moisture or when mixed with water. May cause irritation. Prolonged contact with moist or wet product may cause burns.

PBT or vPvB properties None known.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Magnetite 1309-38-2	44.3	No data available	215-169-8	[C]	-	-	-	-
Calcium sulfate hemihydrate 7778-18-9	25 - <50	01-2119444918-26-XXXX	231-900-3	[C]	-	-	-	-
Kaolin 1332-58-7	5 - <10	-	310-194-1	[C]	-	-	-	-
Calcium dihydroxide 1305-62-0	<1	01-2119475151-45-XXXX	215-137-3	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) [C]	-	-	-	-
Quartz (SiO ₂) 14808-60-7	<1	-	238-878-4	[C]	-	-	-	-
Limestone 1317-65-3	<1	-	215-279-6	[C]	-	-	-	-
Tartaric acid 87-69-4	<1	-	201-766-0	Eye Dam. 1 (H318)	-	-	-	-

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE_{mix}) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Calcium sulfate hemihydrate 7778-18-9	> 2000	-	> 3.26	-	-
Kaolin 1332-58-7	5005	5005	No data available	No data available	No data available
Calcium dihydroxide	= 7340 mg/kg	= 2502.5 mg/kg	= 6.046 mg/L	-	-

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
1305-62-0					
Tartaric acid 87-69-4	No data available	2002	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Get medical attention if irritation or other symptoms occur. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin contact	Brush off loose particles from skin. Wash skin with soap and water. Get medical attention if irritation develops and persists.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Get medical attention if symptoms occur. Do not induce vomiting without medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person.

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

Symptoms	Product dust may be irritating to eyes, skin and respiratory system. May cause redness and tearing of the eyes. Plaster may form an alkaline solution on contact with body moisture or when mixed with water. May cause irritation. Prolonged contact with moist or wet product may cause burns. May cause discomfort if swallowed.
Effects of Exposure	None known.

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

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam or water spray. Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Plaster may form an alkaline solution when mixed with water.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Sulphur oxides.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Keep people away from and upwind of spill/leak. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly after handling. Do not touch or walk through spilled material.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protection recommended in Section 8. Clear up spills immediately and dispose of waste safely. Reuse or recycle wherever possible. Stay upwind. Avoid generation of dust. Vacuum or sweep material and place in a disposal container. After cleaning, flush away traces with water. Wash thoroughly after handling.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Read carefully and follow all instructions. Keep out of reach of children. Wear personal protective equipment. See section 8 for more information. Keep away from food, drink and animal feedingstuffs. Keep container closed when not in use. Plaster may form an alkaline solution when mixed with water. Avoid contact with skin and eyes. Minimise dust generation and accumulation. Avoid breathing dust.

General hygiene considerations Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a dry place. Store in a closed container. Store in accordance with local regulations.

Store away from incompatible materials.

7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union			
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m ³ ; respirable fraction STEL: 4 mg/m ³ ; respirable fraction			
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ ;			
Chemical name	Austria	Belgium	Bulgaria	Croatia
Magnetite 1309-38-2	-	-	-	TWA-GVI: 1 mg/m ³ ; STEL-KGVI: 2 mg/m ³ ;
Calcium sulfate hemihydrate 7778-18-9	TWA-TMW: 5 mg/m ³ ; respirable fraction STEL-KZGW: 10 mg/m ³ (2 X 60 min); respirable fraction	TWA: 10 mg/m ³ ;	TWA: 10.0 mg/m ³ ;	-
Kaolin 1332-58-7	-	TWA: 2 mg/m ³ ; alveolar fraction	TWA: 3.0 mg/m ³ ; respirable fraction TWA: 6.0 mg/m ³ ; inhalable fraction	TWA-GVI: 2 mg/m ³ ; respirable dust
Calcium dihydroxide 1305-62-0	TWA-TMW: 1 mg/m ³ ; inhalable fraction STEL-KZGW: 4 mg/m ³ (8 X 5 min); inhalable fraction	TWA: 1 mg/m ³ ; alveolar fraction STEL: 4 mg/m ³ ;	TWA: 1 mg/m ³ ; respirable fraction STEL: 4 mg/m ³ ; respirable fraction	TWA-GVI: 1 mg/m ³ ; respirable dust; fraction that can be inhaled into the lungs STEL-KGVI: 4 mg/m ³ ; respirable dust; inhalable fraction
Quartz (SiO ₂) 14808-60-7	TWA-TMW: 0.05 mg/m ³ ; alveolar dust, respirable fraction C	TWA: 0.1 mg/m ³ ; alveolar dust TWA: 0.05 mg/m ³ ;	TWA: 0.1 mg/m ³ ; respirable fraction	TWA-GVI: 0.1 mg/m ³ ; respirable dust; respirable particle
Limestone 1317-65-3	-	TWA: 10 mg/m ³ ;	TWA: 10.0 mg/m ³ ;	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia
Kaolin 1332-58-7	-	-	TWA: 2 mg/m ³ ; respirable STEL: 4 mg/m ³ ; respirable	-
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m ³ ; respirable fraction STEL: 4 mg/m ³ ; respirable fraction	TWA: 1 mg/m ³ ; respirable fraction of aerosol Ceiling: 4 mg/m ³ ;	TWA: 1 mg/m ³ ; respirable fraction TWA: 5 mg/m ³ ; STEL: 4 mg/m ³ ; respirable fraction STEL: 10 mg/m ³ ;	TWA: 1 mg/m ³ ; respirable dust STEL: 4 mg/m ³ ; respirable dust
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ ; respirable dust fraction	TWA: 0.1 mg/m ³ ; dust	TWA: 0.3 mg/m ³ ; total TWA: 0.1 mg/m ³ ; respirable STEL: 0.6 mg/m ³ ; total STEL: 0.2 mg/m ³ ; respirable	TWA: 0.1 mg/m ³ ; respirable dust

Limestone 1317-65-3	-	TWA: 10.0 mg/m ³ ; dust	-	TWA: 10 mg/m ³ ; TWA: 5 mg/m ³ ; fine dust
Chemical name	Finland	France	Germany TRGS	Germany DFG
Calcium sulfate hemihydrate 7778-18-9	-	TWA-VME: 10 mg/m ³ ;	-	TWA-MAK: 4 mg/m ³ ; ; i nhalable fraction
Kaolin 1332-58-7	TWA: 2 mg/m ³ ; respirable dust	TWA-VME: 10 mg/m ³ ;	-	-
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m ³ ; STEL: 4 mg/m ³ ;	TWA-VME (indicatif): 1 mg/m ³ ; alveolar fraction STEL-VLCT (indicatif): 4 mg/m ³ ; alveolar fraction	TWA-AGW; 1 mg/m ³ (2(I)); inhalable fraction	TWA-MAK: 1 mg/m ³ ; I(2); inhalable fraction
Quartz (SiO ₂) 14808-60-7	TWA: 0.05 mg/m ³ ; respirable dust	TWA-VME (restrictif): 0. 1 mg/m ³ ; alveolar fraction	-	-
Tartaric acid 87-69-4	-	-	TWA-AGW; 2 mg/m ³ (2(I)); inhalable fraction	TWA-MAK: 2 mg/m ³ ; I(2); inhalable fraction
Chemical name	Greece	Hungary	Italy MDLPS	Italy AIDII
Calcium sulfate hemihydrate 7778-18-9	-	TWA-AK: 41.5 mg/m ³ ;	-	TWA: 10 mg/m ³ ; inhalable fraction
Kaolin 1332-58-7	-	-	-	TWA: 2 mg/m ³ ; respirable fraction
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m ³ ; respirable fraction STEL: 4 mg/m ³ ; respirable fraction	TWA-AK: 1 mg/m ³ ; respirable fraction STEL-CK: 4 mg/m ³ ; respirable fraction	TWA: 1 mg/m ³ ; respirable fraction	TWA: 5 mg/m ³ ;
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ ; respirable dust fraction	TWA-AK: 0.1 mg/m ³ ; respirable fraction	TWA: 0.1 mg/m ³ ; respirable fraction	TWA: 0.025 mg/m ³ ; respirable fraction
Limestone 1317-65-3	TWA: 10 mg/m ³ ; inhalable fraction TWA: 5 mg/m ³ ; respirable fraction	TWA-AK: 10 mg/m ³ ;	-	-
Chemical name	Ireland	Latvia	Lithuania	Luxembourg
Magnetite 1309-38-2	TWA: 5 mg/m ³ STEL: 10 mg/m ³ (fume, as Fe)	-	-	-
Calcium sulfate hemihydrate 7778-18-9	TWA: 10 mg/m ³ ; STEL: 30 mg/m ³ (calculated);	TWA: 4 mg/m ³ ; plaster dust	-	-
Kaolin 1332-58-7	TWA: 2 mg/m ³ ; respirable dust	-	-	-
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m ³ ; respirable dust STEL: 4 mg/m ³ ; respirable dust	TWA: 1 mg/m ³ ; STEL: 4 mg/m ³ ;	TWA-IPRD: 1 mg/m ³ ; respirable fraction STEL-TPRD: 4 mg/m ³ ; respirable fraction Sk	TWA: 1 mg/m ³ ; alveolar fraction STEL: 4 mg/m ³ ;
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ (Silica, crystalline, respirable dust) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)	-	TWA-IPRD: 0.1 ppm; respirable fraction	TWA: 0.1 mg/m ³ ;
Limestone 1317-65-3	TWA: 10 mg/m ³ ; respirable dust TWA: 4 mg/m ³ ; STEL: 30 mg/m ³ (calculated);	-	-	-

	STEL: 12 mg/m ³ (calculated); total inhalable dust			
Chemical name	Malta	Netherlands	Norway	Poland
Magnetite 1309-38-2	-	-	TWA: 1 mg/m ³ ; STEL: 3 mg/m ³ (value calculated);	TWA-NDS: 5 mg/m ³ ; inhalable fraction TWA-NDS: 2.5 mg/m ³ ; respirable fraction STEL-NDSch: 10 mg/m ³ ; inhalable fraction STEL-NDSch: 5 mg/m ³ ; respirable fraction
Calcium sulfate hemihydrate 7778-18-9	-	-	-	TWA-NDS: 10 mg/m ³ ; inhalable fraction
Kaolin 1332-58-7	-	-	-	TWA-NDS: 10.0 mg/m ³ ; inhalable fraction
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m ³ ; respirable fraction STEL: 4 mg/m ³ ; respirable fraction	TWA: 1 mg/m ³ ; respirable STEL: 4 mg/m ³ ; respirable	TWA: 1 mg/m ³ ; respirable dust STEL: 4 mg/m ³ (value from the regulation); respirable dust	TWA-NDS: 2 mg/m ³ ; inhalable fraction TWA-NDS: 1 mg/m ³ ; respirable fraction STEL-NDSch: 4 mg/m ³ ; respirable fraction STEL-NDSch: 6 mg/m ³ ; inhalable fraction
Quartz (SiO ₂) 14808-60-7	-	TWA: 0.075 mg/m ³ ; respirable fraction	TWA: 0.05 mg/m ³ ; respirable dust TWA: 0.3 mg/m ³ ; total dust STEL: 0.9 mg/m ³ (value calculated);dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); total dust STEL: 0.15 mg/m ³ (value calculated);dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); respirable dust	TWA-NDS: 0.1 mg/m ³ ; respirable fraction
Chemical name	Portugal	Romania	Slovakia	Slovenia
Calcium sulfate hemihydrate 7778-18-9	TWA (VLE-MP): 10 mg/m ³ ; inhalable fraction	-	TWA: 4 mg/m ³ ; inhalable fraction TWA: 1.5 mg/m ³ ;	TWA: 6 mg/m ³ ; respirable fraction
Kaolin 1332-58-7	TWA (VLE-MP): 2 mg/m ³ ; respirable fraction	-	TWA: 10 mg/m ³ ;	-
Calcium dihydroxide	TWA (VLE-MP): 1	TWA: 1 mg/m ³ ;	TWA: 1 mg/m ³ ;	TWA: 1 mg/m ³ ;

1305-62-0	mg/m ³ ; breathable fraction STEL (VLE-CD): 4 mg/m ³ ; breathable fraction	respirable fraction STEL: 4 mg/m ³ ; respirable fraction	respirable fraction Ceiling: 4 mg/m ³ ; respirable fraction	respirable fraction STEL: 4 mg/m ³ ; respirable fraction
Quartz (SiO ₂) 14808-60-7	TWA (VLE-MP): 0.025 mg/m ³ ; respirable fraction	TWA: 0.1 mg/m ³ ; dust, respirable fraction	TWA: 0.1 mg/m ³ ; STEL: 0.5 mg/m ³ ;	TWA: 0.05 mg/m ³ ; respirable fraction
Limestone 1317-65-3	-	TWA: 10 mg/m ³ ; dust, inhalable fraction	-	-
Tartaric acid 87-69-4	-	-	-	TWA: 2 mg/m ³ ; inhalable fraction STEL: 4 mg/m ³ ; inhalable fraction
Chemical name	Spain	Sweden	Switzerland	United Kingdom
Magnetite 1309-38-2	-	-	-	TWA: 5 mg/m ³ STEL: 10 mg/m ³ (fume, as Fe)
Calcium sulfate hemihydrate 7778-18-9	TWA-(VLA-ED): 10 mg/m ³ ;	-	TWA-MAK: 3 mg/m ³ ; respirable dust	TWA: 10 mg/m ³ TWA: 4.0 mg/m ³
Kaolin 1332-58-7	TWA-(VLA-ED): 2 mg/m ³ ; respirable fraction	-	TWA-MAK: 3 mg/m ³ ; respirable dust	TWA: 2 mg/m ³ ; respirable dust STEL: 6 mg/m ³ ; respirable dust
Calcium dihydroxide 1305-62-0	TWA-(VLA-ED): 1 mg/m ³ ; respirable fraction STEL (VLA-EC): 4 mg/m ³ ; respirable fraction	TLV-NGV: 1 mg/m ³ ; respirable fraction STEL (Bindande KGV): 4 mg/m ³ ; respirable fraction	TWA-MAK: 1 mg/m ³ ; inhalable dust STEL-KZGW: 4 mg/m ³ ; inhalable dust	TWA: 1 mg/m ³ ; respirable fraction TWA: 5 mg/m ³ ; STEL: 4 mg/m ³ ; respirable fraction STEL: 15 mg/m ³ ;
Quartz (SiO ₂) 14808-60-7	TWA-(VLA-ED): 0.05 mg/m ³ ; respirable fraction	TLV-NGV: 0.1 mg/m ³ ; respirable fraction	TWA-MAK: 0.15 mg/m ³ ; respirable dust	TWA: 0.1 mg/m ³ (Silica, respirable crystalline) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)
Limestone 1317-65-3	-	-	-	TWA: 10 mg/m ³ ; inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; respirable dust
Tartaric acid 87-69-4	-	-	TWA-MAK: 2 mg/m ³ ; inhalable dust STEL-KZGW: 4 mg/m ³ ; inhalable dust	-

Biological occupational exposure limits**Derived No Effect Level (DNEL) - Workers**

Chemical name	Oral	Dermal	Inhalation
Calcium sulfate hemihydrate 7778-18-9	-	-	21.17 mg/m ³ [4] [6] 5082 mg/m ³ [4] [7]
Calcium dihydroxide 1305-62-0	-	-	1 mg/m ³ [5] [6] 4 mg/m ³ [5] [7]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Calcium sulfate hemihydrate 7778-18-9	1.52 mg/kg bw/day [4] [6] 11.4 mg/kg bw/day [4] [7]	-	5.29 mg/m ³ [4] [6] 3811 mg/m ³ [4] [7]
Calcium dihydroxide 1305-62-0	-	-	1 mg/m ³ [5] [6] 4 mg/m ³ [5] [7]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Calcium dihydroxide 1305-62-0	0.49 mg/L	0.49 mg/L	0.32 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Calcium sulfate hemihydrate 7778-18-9	-	-	100 mg/L	-	-
Calcium dihydroxide 1305-62-0	-	-	3 mg/L	1080 mg/kg soil dw	-

8.2. Exposure controls**Engineering controls**

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Provide extract ventilation at the points where emissions occur. Ensure the ventilation system is regularly maintained and tested.

Personal protective equipment**Eye/face protection**

If there is a risk of contact: Tight sealing safety goggles. Eye protection must conform to standard EN 166.

Hand protection

Wear suitable gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective

properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of insufficient ventilation, wear suitable respiratory equipment. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405.

Environmental exposure controls

Avoid creating dust. Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Physical state	Solid
Colour	Grey/pink, Light
Odour	Characteristic
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No data available
Boiling point or initial boiling point and boiling range		No data available
Flammability		No data available
Lower and upper explosion limit/flammability limit		
Lower explosion limit		No data available
Upper explosion limit		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
pH		No data available
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility	Slightly soluble	No data available
Solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapour pressure		No data available
Density and/or relative density		No data available
Bulk density		No data available
Liquid Density		No data available
Relative vapour density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

9.2. Other information

Molecular weight	No information available
VOC content	No information available
Softening point	No information available

9.2.1. Information with regards to physical hazard classes

Explosives	
Explosive properties	No information available

Oxidising properties No information available

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Dust formation.

10.5. Incompatible materials

Incompatible materials Acids. Oxidising agent.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. May cause temporary eye irritation. Plaster may form an alkaline solution on contact with body moisture or when mixed with water. May cause irritation. Prolonged contact with moist or wet product may cause burns.
Skin contact	Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin. Plaster may form an alkaline solution on contact with body moisture or when mixed with water. May cause irritation. Prolonged contact with moist or wet product may cause burns.
Ingestion	Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort if consumed in large amounts.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Product dust may be irritating to eyes, skin and respiratory system. May cause redness and tearing of the eyes. Plaster may form an alkaline solution on contact with body moisture or when mixed with water. May cause irritation. Prolonged contact with moist or wet product may cause burns. May cause discomfort if swallowed.

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity No information available.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate hemihydrate	> 2000 mg/kg (Rat)	-	> 3.26 mg/l
Kaolin	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Calcium dihydroxide	= 7340 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	> 6.04 mg/L (Rat) 4h
Tartaric acid	-	> 2000 mg/kg (Rat)	-

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Component Information					
Calcium sulfate hemihydrate (7778-18-9)					
Exposure route	Effective dose	Method	Species	Exposure time	Results
Dermal	0.5 g	OECD Test No. 404: Acute Dermal Irritation/Corrosion		4 hours	non-irritant

Calcium dihydroxide (1305-62-0)					
Exposure route	Effective dose	Method	Species	Exposure time	Results
Dermal	0.5 g	OECD Test No. 404: Acute Dermal Irritation/Corrosion		4 hours	Irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Component Information					
Calcium sulfate hemihydrate (7778-18-9)					
Effective dose	Method	Species	Exposure route	Exposure time	Results
0.1 g	OECD Test No. 405: Acute Eye Irritation/Corrosion		Eye		non-irritant

Calcium dihydroxide (1305-62-0)					
Effective dose	Method	Species	Exposure route	Exposure time	Results
0.1 g	OECD Test No. 405: Acute Eye Irritation/Corrosion		Eye	1 hour	Eye Damage

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.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Not applicable.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disruption for human health This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects None known based on information supplied.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met. Not considered to be harmful to aquatic life.

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Calcium sulfate hemihydrate	LC50: =2980mg/L (96h, <i>Lepomis macrochirus</i>) LC50: >1970mg/L (96h, <i>Pimephales promelas</i>)	-	-	-
Calcium dihydroxide	LC50: = 50.6 mg/L (96h, <i>Oncorhynchus mykiss</i>)	EC50: = 49.1 mg/L (48h, <i>Daphnia magna</i>)	EC50: = 184.57 mg/L (72h, <i>Pseudokirchneriella subcapitata</i>)	-
Tartaric acid	LC50: >100mg/L (96h, <i>Danio rerio</i>)	-	-	-

12.2. Persistence and degradability No information available.

Calcium sulfate hemihydrate (7778-18-9)

Exposure time	Method	Value	Results
-			

12.3. Bioaccumulative potential Not likely to bioaccumulate.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Tartaric acid	-1.91	-	-

12.4. Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Calcium sulfate hemihydrate	Not PBT/vPvB
Calcium dihydroxide	Not PBT/vPvB
Tartaric acid	Not PBT/vPvB

12.6. Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects None known based on information supplied.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Recover or recycle if possible. This material and its container must be disposed of in a safe way. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IATA Not regulated
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Not applicable
Special Provisions None

IMDG Not regulated
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Not applicable
Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID Not regulated
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user
Special Provisions None

ADR Not regulated

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user
Special Provisions None

ADN Not regulated

14.1 UN number or ID number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not applicable

14.5 Environmental hazard Not applicable

14.6 Special precautions for user
Special Provisions None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Quartz (SiO ₂) 14808-60-7	RG 25

Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

TA Luft (German Air Pollution Control Regulation)

Chemical name	Number	Class
Quartz (SiO ₂) 14808-60-7	5.2.7.1.1	-

TRGS 905 Not applicable

Netherlands

Carcinogenic, mutagenic and reproductive toxic effects

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Quartz (SiO ₂) 14808-60-7	Present	-	-

Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Not applicable
Storage of Hazardous Material Not applicable

WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20
Major Accidents Ordinance SR 814.012

Not applicable
Not applicable

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable.

EU - Plant Protection Products (1107/2009/EC)

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Calcium dihydroxide 1305-62-0	Plant protection agent
Quartz (SiO ₂) 14808-60-7	Plant protection agent

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Calcium dihydroxide 1305-62-0	Product-type 2: Disinfectants and algicides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene
Tartaric acid 87-69-4	Simplified procedure - Category 1

Explosives Precursors Marketing and Use (2019/1148)

Not applicable.

International Inventories

Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report

Not applicable.

SECTION 16: Other information

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H315 - Causes skin irritation

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

Key or legend to abbreviations and acronyms used in the safety data sheet

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
AIDII	Italian Association of Industrial Hygienists

ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DFG	German Research Foundation
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
ECHA	European Chemicals Agency
EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
EWC	European Waste Codes
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximum Concentration at the Workplace
MAL	Measuring Technical Hygienic Air Needs
MARPOL	International Convention for the Prevention of Pollution from Ships
MDLPS	Ministry of Labour and Social Policy
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet

SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
SVHC	Substance of very high concern
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TRGS	Technical Rule for Hazardous Substances
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
C	Carcinogen
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitiser
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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Disclaimer

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End of Safety Data Sheet