



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 09-Dec-2020

Revision Date 09-Dec-2020

Revision Number 1

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

1.1. Product identifier

Product Name Gyproc Hard Coat 25kg

Contains Cement, portland, chemicals, Flue dust, portland cement

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)

National Poisons Information Centre (Ireland): +353 (1) 809 2166

Europe emergency contact number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)

2.2. Label elements

Contains Cement, portland, chemicals, Flue dust, portland cement



Signal word
Warning

Hazard statements

H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

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

P102 - Keep out of reach of children
P261 - Avoid breathing dust
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501 - Dispose of contents/ container in accordance with national regulations

2.3. Other hazards

The product does not contain any substance(s) classified as PBT or vPvB. 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.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Calcium sulfate hemihydrate 7778-18-9	50 - 100	01-211944491 8-26-XXXX	231-900-3	Not Classified [C]	-	-	-
Slags, ferrous metal, blast furnace 65996-69-2	10 - <25	01-211948745 6-25-XXXX	266-002-0	Not Classified [C]	-	-	-
Cement, portland, chemicals 65997-15-1	1 - <2.5	-	266-043-4	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1B (H317) STOT SE 3 (H335)	-	-	-
Flue dust, portland	0.025 - <0.25	01-211948676	270-659-9	Skin Irrit. 2	-	-	-

cement 68475-76-3		7-17-XXXX		(H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT SE 3 (H335)			
Zinc oxide 1314-13-2	0.025 - <0.25	01-211946388 1-32-XXXX	215-222-5	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	1	1
Quartz (SiO ₂) 14808-60-7	0.025 - <0.25	-	238-878-4	Not Classified [C]	-	-	-

[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	Dermal LD50	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	-	-
Cement, portland, chemicals 65997-15-1	-	> 2000	-	-	-
Zinc oxide 1314-13-2	> 5000	> 2000	-	-	-

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. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
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 May cause redness and tearing of the eyes. Product dust may be irritating to eyes, skin and respiratory system. May cause sensitisation especially in sensitive humans. May cause discomfort if swallowed. 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.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical, CO₂, 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

Specific/special fire-fighting measures Fires need to be assessed to determine appropriate protocols and safety measures for firefighting, including establishing safe zones, extinguishing media to be used, firefighter protection, and actions to control or extinguish the fire. Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out.

Special protective equipment 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. Vacuum or sweep material and place in a disposal container. Avoid generation of dust. 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. Wear personal protective equipment. See section 8 for more information. Keep out of reach of children. 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	Austria	Belgium	Bulgaria	Croatia
Calcium sulfate hemihydrate 7778-18-9	-	TWA: 5 mg/m ³ STEL 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10.0 mg/m ³	-
Cement, portland, chemicals 65997-15-1	-	TWA: 5 mg/m ³	TWA: 1 mg/m ³	TWA: 8.0 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³
Flue dust, portland cement 68475-76-3	-	TWA: 5 mg/m ³	-	-	-
Zinc oxide 1314-13-2	-	TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	STEL: 10.0 mg/m ³ TWA: 5.0 mg/m ³	TWA: 2 mg/m ³ STEL: 10 mg/m ³
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³	TWA: 0.15 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland

Cement, portland, chemicals 65997-15-1	-	TWA: 10.0 mg/m ³	-	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 1 mg/m ³
Zinc oxide 1314-13-2	-	TWA: 2 mg/m ³ Ceiling: 5 mg/m ³	TWA: 4 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³ STEL: 10 mg/m ³
Quartz (SiO ₂) 14808-60-7	-	TWA: 0.1 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.05 mg/m ³
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Calcium sulfate hemihydrate 7778-18-9	TWA: 10 mg/m ³	TWA: 6 mg/m ³	TWA: 1.5 mg/m ³ TWA: 4 mg/m ³	-	TWA: 4 mg/m ³ TWA: 1.5 mg/m ³
Slags, ferrous metal, blast furnace 65996-69-2	-	TWA: 1.25 mg/m ³ TWA: 10 mg/m ³	TWA: 4 mg/m ³ TWA: 0.3 mg/m ³ Peak: 2.4 mg/m ³	-	-
Cement, portland, chemicals 65997-15-1	-	-	TWA: : no respiratory and skin sensitizer dust; applies only to Portland cement with a Chromium(VI) content below 2 ppm, for Portland cement with more than 2 ppm Chromium(VI) see entry under Chromium(VI) compounds	-	TWA: 10 mg/m ³
Zinc oxide 1314-13-2	TWA: 5 mg/m ³ TWA: 10 mg/m ³	-	TWA: 0.1 mg/m ³ TWA: 2 mg/m ³ Peak: 0.4 mg/m ³ Peak: 4 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 20 mg/m ³
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³	-	-	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Calcium sulfate hemihydrate 7778-18-9	TWA: 10 mg/m ³ STEL: 30 mg/m ³	-	TWA: 10 mg/m ³	TWA: 4 mg/m ³	-
Slags, ferrous metal, blast furnace 65996-69-2	-	-	-	-	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Cement, portland, chemicals 65997-15-1	TWA: 1 mg/m ³ STEL: 3 mg/m ³	-	TWA: 1 mg/m ³	TWA: 6 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Zinc oxide 1314-13-2	TWA: 2 mg/m ³ STEL: 10 mg/m ³	-	TWA: 2 mg/m ³ STEL: 10 mg/m ³	TWA: 0.5 mg/m ³	TWA: 5 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: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Calcium sulfate hemihydrate 7778-18-9	-	-	-	-	TWA: 10 mg/m ³
Cement, portland, chemicals 65997-15-1	-	-	-	-	TWA: 6 mg/m ³ TWA: 2 mg/m ³

Zinc oxide 1314-13-2	-	-	-	TWA: 5 mg/m ³ STEL: 10 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³
Quartz (SiO ₂) 14808-60-7	-	-	TWA: 0.075 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³ STEL: 0.9 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Calcium sulfate hemihydrate 7778-18-9	TWA: 10 mg/m ³	-	TWA: 4 mg/m ³ TWA: 1.5 mg/m ³	TWA: 6 mg/m ³	TWA: 10 mg/m ³
Slags, ferrous metal, blast furnace 65996-69-2	-	-	-	TWA: 1.25 mg/m ³ TWA: 10 mg/m ³ STEL: STEL mg/m ³	-
Cement, portland, chemicals 65997-15-1	TWA: 1 mg/m ³	TWA: 10 mg/m ³	-	-	TWA: 4 mg/m ³
Zinc oxide 1314-13-2	TWA: 2 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 1 mg/m ³ Ceiling: 1 mg/m ³	-	TWA: 2 mg/m ³ STEL: 10 mg/m ³
Quartz (SiO ₂) 14808-60-7	TWA: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.5 mg/m ³	-	TWA: 0.05 mg/m ³
Chemical name	Sweden		Switzerland		United Kingdom
Calcium sulfate hemihydrate 7778-18-9	-		TWA: 3 mg/m ³		TWA: 10 mg/m ³ TWA: 4.0 mg/m ³
Slags, ferrous metal, blast furnace 65996-69-2	-		TWA: 3 mg/m ³ TWA: 10 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³
Cement, portland, chemicals 65997-15-1	-		TWA: 5 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
Zinc oxide 1314-13-2	NGV: 5 mg/m ³		TWA: 3 mg/m ³ STEL: 3 mg/m ³		-
Quartz (SiO ₂) 14808-60-7	NGV: 0.1 mg/m ³		TWA: 0.15 mg/m ³		TWA: 0.1 mg/m ³ (Silica, respirable crystalline) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Quartz (SiO ₂) 14808-60-7	-	(-)	-	-	-

Derived No Effect Level (DNEL) No information available.

Calcium sulfate hemihydrate (7778-18-9)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Worker: Long term, Systemic health effects	Inhalation	21.17 mg/m ³	-
Worker: Short term, Systemic health effects	Inhalation	5082 mg/m ³	-
General Population: Long term, Systemic health effects	Inhalation	5.29 mg/m ³	-
General Population: Short term, Systemic health effects	Inhalation	3811 mg/m ³	-
General Population: Long term, Systemic health effects	Oral	1.52 mg/kg bw/d	-
General Population: Short term, Systemic health effects	Oral	11.4 mg/kg bw/d	-

Systemic health effects			
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Flue dust, portland cement (68475-76-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Worker, Long term, Local health effects	Inhalation	0.84 mg/m ³	-
Worker, Short term, Local health effects	Inhalation	4 mg/m ³	-
General Population, Long term, Local health effects	Inhalation	0.84 mg/m ³	-
General Population, Short term, Local health effects	Inhalation	4 mg/m ³	-

Zinc oxide (1314-13-2)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Worker, Long term, Systemic health effects	Inhalation	5 mg/m ³	-
Worker, Long term, Local health effects	Inhalation	0.5 mg/m ³	-
Worker, Long term, Systemic health effects	Dermal	83 mg/kg bw/d	-
General Population, Long term, Systemic health effects	Inhalation	2.5 mg/m ³	-
General Population, Long term, Systemic health effects	Dermal	83 mg/kg bw/d	-
General Population, Long term, Systemic health effects	Oral	0.83 mg/kg bw/d	-

Predicted No Effect Concentration (PNEC) No information available.

Calcium sulfate hemihydrate (7778-18-9)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Microorganisms in sewage treatment	100 mg/l

Slags, ferrous metal, blast furnace (65996-69-2)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	5 g/L
Marine water	0.5 g/L
Microorganisms in sewage treatment	10 g/L
Soil	1000 mg/kg

Flue dust, portland cement (68475-76-3)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	282 µg/l
Marine water	28 µg/l
Microorganisms in sewage treatment	6 mg/l
Freshwater sediment	875 µg/kg
Marine sediment	88 µg/kg
Soil	5 mg/kg

Zinc oxide (1314-13-2)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.0206 mg/l
Marine water	0.0061 mg/l
Microorganisms in sewage treatment	0.1 mg/l
Freshwater sediment	117.8 mg/kg
Marine sediment	56.5 mg/kg

Soil	35.6 mg/kg
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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	Eye protection must conform to standard EN 166. If there is a risk of contact: Tight sealing safety goggles.
Hand protection	Gloves must conform to standard EN 374. Wear suitable gloves. 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.
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.
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

Physical state	Solid
Colour	Grey/pink
Odour	Odourless
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No data available	None known

Dynamic viscosity	No data available	None known
Water solubility	Slightly soluble	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Liquid Density	No data available	
Vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regards to physical hazard classes

Not applicable

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.

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. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. 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. May cause sensitisation by skin contact. Prolonged contact may cause redness and 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.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation. Product dust may be irritating to eyes, skin and respiratory system.
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Numerical measures of toxicity

Based on available data, the classification criteria are not met

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate hemihydrate	> 2000 mg/kg (Rat)	-	> 3.26 mg/l
Cement, portland, chemicals	-	> 2000 mg/kg (Rabbit)	-
Zinc oxide	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

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

Skin corrosion/irritation May cause skin irritation. Classification based on data available for ingredients.

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

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

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

Cement, portland, chemicals (65997-15-1)

Results	Eye Damage
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Respiratory or skin sensitisation May cause sensitisation by skin contact.

Component Information	
Calcium sulfate hemihydrate (7778-18-9)	
Method	OECD Test No. 406: Skin Sensitisation
Exposure route	Dermal
Results	Not a skin sensitiser

Cement, portland, chemicals (65997-15-1)	
Results	Sensitising

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Component Information	
Calcium sulfate hemihydrate (7778-18-9)	
Method	OECD Test No. 471: Bacterial Reverse Mutation Test
Species	in vitro
Results	Not mutagenic

Method	OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test
Species	in vivo
Results	Not mutagenic

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 disrupting properties 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

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

Component Information	
Calcium sulfate hemihydrate (7778-18-9)	
Results	Not toxic at limit of water solubility

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Zinc oxide	-	LC50: =0.169mg/L (96h, Oncorhynchus mykiss)	-	EC50: =0.413mg/L (48h, Ceriodaphnia dubia)

12.2. Persistence and degradability

Persistence and degradability The methods for determining biodegradability are not applicable to inorganic substances.

Component Information			
Calcium sulfate hemihydrate (7778-18-9)			
Method	Exposure time	Value	Results
-	-	-	Substance is inorganic. Not relevant

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

Mobility Slightly soluble.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Calcium sulfate hemihydrate	The substance is not PBT / vPvB
Slags, ferrous metal, blast furnace	PBT assessment does not apply
Cement, portland, chemicals	The substance is not PBT / vPvB
Flue dust, portland cement	PBT assessment does not apply
Zinc oxide	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Other adverse effects None known based on information supplied.

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 the European Waste Catalogue, Waste Codes are not product specific, but

according to EWC / AVV

application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information**IMDG**

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
Marine pollutant	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN 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 Users	
Special Provisions	None

ADR

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 Users	
Special Provisions	None

IATA

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 Users	
Special Provisions	None
Note:	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	Title
Cement, portland, chemicals 65997-15-1	RG 8, RG 10	-
Quartz (SiO ₂)	RG 25	-

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

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) 1005/2009 Not applicable

Chemical name	Plant protection products directive (91/414/EEC)
Quartz (SiO ₂) - 14808-60-7	Plant protection agent

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AICS	Contact supplier for inventory compliance status

Legend:

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	- Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	- Japan Existing and New Chemical Substances
IECSC	- China Inventory of Existing Chemical Substances
KECL	- Korean Existing and Evaluated Chemical Substances
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
AICS	- Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report Not applicable

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet**Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H318 - Causes serious eye damage
 H335 - May cause respiratory irritation
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
 Ceiling Maximum limit value * Skin designation

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
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. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (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 Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
 Organisation for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

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Revision Note

Initial Release.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet