

Supersedes date 27-Jul-2023

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Revision Number 4

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

1.1. Product identifier

Product Name Agri-Gyp Bulk

Synonyms None

Pure substance/mixture Mixture

CaSO₄.2H₂O

Other information Fertilising Product Blend composed of an inorganic soil improver and a plant biostimulant.

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

Recommended use Fertiliser

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

2.3. Other hazards

Other hazards	Product dust may be irritating to eyes, skin and respiratory system.
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

This is a fertilising product blend composed of an inorganic soil improver and a plant biostimulant.

Ingredients

The components shown below may be present in the final product and have occupational exposure limits and/or biological occupational exposure limits requiring monitoring (see Section 8)

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
Calcium sulfate dihydrate 7778-18-9	50 - 100	01-2119444918-26-XXXX	231-900-3	[C]	-	-	-	-
Calcium sulfate hemihydrate 7778-18-9	15 - 20	01-2119444918-26-XXXX	231-900-3	[C]	-	-	-	-
Quartz (SiO ₂) 14808-60-7	1 - <2.5	-	238-878-4	[C]	-	-	-	-
Microsilica 69012-64-2	<1	-	273-761-1	[C]	-	-	-	-
Glass fibre	<1	-	-	[C]	-	-	-	-

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 dihydrate 7778-18-9	> 2000	-	> 3.26	-	-
Calcium sulfate	> 2000	-	> 3.26	-	-

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
hemihydrate 7778-18-9					

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. Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Get medical attention immediately if symptoms occur. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water. Get medical attention if irritation develops and persists.
Ingestion	IF SWALLOWED: Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention immediately if symptoms occur.

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 discomfort if swallowed. Prolonged contact may cause redness and irritation.
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 measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	None known based on information supplied.
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Hazardous combustion products Harmful gases or vapours. Oxides of sulphur. Carbon monoxide. Carbon dioxide (CO₂).

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 Ensure adequate ventilation. Wear personal protective clothing (see section 8). Wear personal protective clothing and equipment, see Section 8. Avoid breathing dust. Keep people away from and upwind of spill/leak. Avoid contact with eyes. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wash thoroughly after handling.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Collect spillage. Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

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. Avoid generation of dust. After cleaning, flush away traces with water. Wash thoroughly after handling. Dispose of wastes in an approved waste disposal facility.

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 11 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Read carefully and follow all instructions. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. See section 8 for more information. Keep away from food, drink and animal feedingstuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Minimise dust generation and accumulation. Do not breathe dust. Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store away from incompatible materials. Keep away from combustible material. Store in accordance with local regulations. Store in a cool, well ventilated area. Keep away from

heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep away from combustible material. Keep in a dry place.

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			
Quartz (SiO ₂) 14808-60-7		TWA: 0.1 mg/m ³ ;			
Chemical name	Austria	Belgium	Bulgaria	Croatia	
Calcium sulfate dihydrate 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 ;	-	
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 ;	-	
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	
Microsilica 69012-64-2	TWA-TMW: 0.3 mg/m ³ ; respirable fraction	TWA: 2 mg/m ³ ; fume, alveolar fraction	-	-	
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	
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	
Microsilica 69012-64-2	-	-	TWA: 0.1 mg/m ³ ; respirable STEL: 0.2 mg/m ³ ; respirable	-	
Chemical name	Finland	France	Germany TRGS	Germany DFG	
Calcium sulfate dihydrate 7778-18-9	-	TWA-VME: 10 mg/m ³ ;	-	TWA-MAK: 4 mg/m ³ ; ; i nhalable fraction	
Calcium sulfate hemihydrate 7778-18-9	-	TWA-VME: 10 mg/m ³ ;	-	TWA-MAK: 4 mg/m ³ ; ; i nhalable 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	-	-	
Microsilica 69012-64-2	-	-	TWA-AGW; 0.3 mg/m ³ (); respirable fraction	TWA-MAK: 0.3 mg/m ³ ; ; respirable fraction	
Chemical name	Greece	Hungary	Italy MDLPS	Italy AIDII	
Calcium sulfate dihydrate 7778-18-9	-	TWA-AK: 41.5 mg/m ³ ;	-	TWA: 10 mg/m ³ ; inhalable fraction	
Calcium sulfate hemihydrate	-	TWA-AK: 41.5 mg/m ³ ;	-	TWA: 10 mg/m ³ ;	

7778-18-9				inhalable fraction
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
Chemical name	Ireland	Latvia	Lithuania	Luxembourg
Calcium sulfate dihydrate 7778-18-9	TWA: 10 mg/m ³ ; STEL: 30 mg/m ³ (calculated);	TWA: 4 mg/m ³ ; plaster dust	-	-
Calcium sulfate hemihydrate 7778-18-9	TWA: 10 mg/m ³ ; STEL: 30 mg/m ³ (calculated);	TWA: 4 mg/m ³ ; plaster dust	-	-
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 ;
Glass fibre -	TWA: 1 fibre/mL TWA: 5 mg/m ³	-	-	-
Chemical name	Malta	Netherlands	Norway	Poland
Calcium sulfate dihydrate 7778-18-9	-	-	-	TWA-NDS: 10 mg/m ³ ; inhalable fraction
Calcium sulfate hemihydrate 7778-18-9	-	-	-	TWA-NDS: 10 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 dihydrate 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
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

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
Microsilica 69012-64-2	-	-	-	TWA: 0.3 mg/m ³ ; respirable fraction
Chemical name	Spain	Sweden	Switzerland	United Kingdom
Calcium sulfate dihydrate 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
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
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)
Microsilica 69012-64-2	-	-	TWA-MAK: 0.3 mg/m ³ ; respirable dust	-
Glass fibre -	-	-	-	TWA: 2 fibre/mL TWA: 5 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Calcium sulfate dihydrate 7778-18-9	-	-	21.17 mg/m ³ [4] [6] 5082 mg/m ³ [4] [7]
Calcium sulfate hemihydrate 7778-18-9	-	-	21.17 mg/m ³ [4] [6] 5082 mg/m ³ [4] [7]

Notes

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

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Calcium sulfate dihydrate 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 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]

Notes

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

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Calcium sulfate dihydrate 7778-18-9	-	-	100 mg/L	-	-
Calcium sulfate hemihydrate 7778-18-9	-	-	100 mg/L	-	-

8.2. Exposure controls

Engineering controls	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Apply technical measures to comply with the occupational exposure limits.
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	Repeated or prolonged contact: Wear protective gloves. Gloves must conform to standard EN 374.
Skin and body protection	No special protective equipment required.
Respiratory protection	If respirable dusts are generated, respiratory protection may be needed. Dust mask for dust formation. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.
Environmental exposure controls	Avoid creating dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Off-white powder
Physical state	Solid
Colour	Off-white
Odour	Odourless
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	7	
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available

Water solubility	2.1 g/L	
Solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapour pressure		No data available
Density and/or relative density	2.32	
Bulk density	1300 kg/m ³	
Liquid Density		No data available
Relative vapour density		No data available
Particle characteristics		
Particle Size	30000 nm	
Particle Size Distribution		No data available

9.2. Other information

Molecular formula	CaSO ₄ .2H ₂ O
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. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

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. Inhalation of dust in high concentration may cause irritation of respiratory system.
- Eye contact** Specific test data for the substance or mixture is not available. Dust contact with the eyes can lead to mechanical irritation.
- Skin contact** Specific test data for the substance or mixture is not available. Prolonged contact may cause redness and irritation. Contact with dust can cause mechanical irritation or drying of the skin.
- Ingestion** May cause gastrointestinal discomfort. Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

- Symptoms** Product dust may be irritating to eyes, skin and respiratory system. May cause discomfort if swallowed. Prolonged contact may cause redness and irritation.
- Acute toxicity** Based on available data, the classification criteria are not met.
- 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 dihydrate	> 2000 mg/kg (Rat)	-	> 3.26 mg/l (Rat)
Calcium sulfate hemihydrate	> 2000 mg/kg (Rat)	-	> 3.26 mg/l

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 dihydrate (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 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

Glass fibre (-)					
Exposure route	Effective dose	Method	Species	Exposure time	Results
		OECD Test No. 404: Acute Dermal Irritation/Corrosion			non-irritant

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

Component Information

Calcium sulfate dihydrate (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 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

Glass fibre (-)					
Effective dose	Method	Species	Exposure route	Exposure time	Results
					non-irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

Glass fibre (-)					
Species	Method	Exposure route	Results		
			Not a skin sensitiser		

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

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

Component Information					
Glass fibre (-)					
Method	Species	Results			
		Not Carcinogenic			

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

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.

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Calcium sulfate dihydrate	LC50: =2980mg/L (96h, Lepomis macrochirus) LC50: >1970mg/L (96h, Pimephales promelas)	-	-	-
Calcium sulfate hemihydrate	LC50: =2980mg/L (96h, Lepomis macrochirus) LC50: >1970mg/L (96h, Pimephales promelas)	-	-	-
Microsilica	LC50: >100mg/L (96h, Danio rerio)	-	-	-
Glass fibre	LC50: >1000 mg/L (96h, Danio rerio)	EC50: >1000 mg/L (3d, Daphnia magna)	EC50: >1000 mg/L (3d, Pseudokirchneriella subcapitata)	-

12.2. Persistence and degradability No information available.

Calcium sulfate dihydrate (7778-18-9)

Exposure time	Method	Value	Results
-			

Calcium sulfate hemihydrate (7778-18-9)

Exposure time	Method	Value	Results
-			

12.3. Bioaccumulative potential

No information available.

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 dihydrate	Not PBT/vPvB
Calcium sulfate hemihydrate	Not PBT/vPvB
Microsilica	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	The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way.
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	
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	
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 Not applicable

Major Accidents Ordinance SR 814.012 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)
Quartz (SiO ₂) 14808-60-7	Plant protection agent

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

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	Photosensitizer
RS	Respiratory Sensitizer
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