SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008

Supercedes 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 Gyprex Bio

Synonyms None

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

Recommended use Internal ceiling linings in buildings

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 product is an article. Classification according to CLP is not applicable to articles.

2.2. Label elements

Additional information
As supplied, this product does not meet the requirements for labelling.

Biocide Labelling: Gyprex Bio is a treated article which incorporates a biocidal product. The product contains an antifungal additive to prevent the degradation of the product by microorganisms. Contains active substance: 4,5-Dichloro-2-octyl-2H-isothiazol-3-one (DCOIT). Avoid generation and spreading of dust. Avoid contact with eyes. Do not discharge into drains or watercourses or onto the ground

2.3. Other hazards

Other hazards Cutting and handling may create dust. Product dust may be irritating to eyes, skin and respiratory system. Sharp edges and corners may cause cuts and abrasions.

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

Calcium sulfate dihydrate encased in paper liners. Natural board constituents may include minor amounts of quartz. PVC film: The film is manufactured from plasticised polyvinyl chloride and additives appropriate for processing or use, e.g. thermal stabilisers, UV stabilisers and pigments. The film contains a biocide to prevent fungal and bacterial growth.

Ingredients
The components shown below may be present in the final article 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]	-	-	-	-
Microsilica 69012-64-2	1 - <2.5	-	273-761-1	[C]	-	-	-	-
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	<1	-	264-843-8 (613-335-00-8)	Acute Tox. 4 (H302) Skin Corr. 1 (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	Skin Irrit. 2 :: 0.025%<=C< 5% Eye Irrit. 2 :: 0.025%<=C< 3% Skin Sens. 1A :: C>=0.0015%	100	100	-
Glass fibre -	<1	-	-	[C]	-	-	-	-
Quartz (SiO2) 14808-60-7	<1	-	238-878-4	[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 (ATEmix) 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	-	-
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	567 [+]	2002	0.16 [+]	No data available	No data available
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 >=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 Not an expected route of exposure. 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 Not an expected route of exposure. 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:. 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 Harmful dust may be released during cutting or grinding process. 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO2, 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.
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. Keep people away from and upwind of spill/leak. Wear personal protective clothing (see section 8). Avoid breathing dust. 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. Stay upwind. Collect spillage. Sweep up and shovel into suitable containers for disposal. Avoid generation of dust. Prevent product from entering drains. 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 before breaks and after work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store away from incompatible materials. 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.

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 Exposure to these ingredients as inhalable or respirable dust is minimal during normal use. Avoid generation of dust.

Chemical name	European Union
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³;

Chemical name	Austria	Belgium	Bulgaria	Croatia
Calcium sulfate dihydrate 7778-18-9	TWA-TMW: 5 mg/m³; respirable fraction STEL-KZGW: 10 mg/m³ (2 X 60 min); respirable fraction	TWA: 10 mg/m³;	TWA: 10.0 mg/m³;	-
Microsilica 69012-64-2	TWA-TMW: 0.3 mg/m³; respirable fraction	TWA: 2 mg/m³; fume, alveolar fraction	-	-
Quartz (SiO2) 14808-60-7	TWA-TMW: 0.05 mg/m³; alveolar dust, respirable fraction C	TWA: 0.1 mg/m³; alveolar dust TWA: 0.05 mg/m³;	TWA: 0.1 mg/m³; respirable fraction	TWA-GVI: 0.1 mg/m³; respirable dust; respirable particle

Chemical name	Cyprus	Czech Republic	Denmark	Estonia
Microsilica 69012-64-2	-	-	TWA: 0.1 mg/m³; respirable STEL: 0.2 mg/m³; respirable	-
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³; respirable dust fraction	TWA: 0.1 mg/m³; dust	TWA: 0.3 mg/m³; total TWA: 0.1 mg/m³; respirable STEL: 0.6 mg/m³; total STEL: 0.2 mg/m³; respirable	TWA: 0.1 mg/m³; respirable dust

Chemical name	Finland	France	Germany TRGS	Germany DFG
Calcium sulfate dihydrate 7778-18-9	-	TWA-VME: 10 mg/m³;	-	TWA-MAK: 4 mg/m³; ; inhalable fraction
Microsilica 69012-64-2	-	-	TWA-AGW; 0.3 mg/m³ (); respirable fraction	TWA-MAK: 0.3 mg/m³; ; respirable fraction
Quartz (SiO2)	TWA: 0.05 mg/m³;	TWA-VME (restrictif): 0.	-	-

14808-60-7	respirable dust	1 mg/m³; alveolar fraction		
Tartaric acid 87-69-4	-	-	TWA-AGW; 2 mg/m³ (2(I)); inhalable fraction	TWA-MAK: 2 mg/m³; I(2); inhalable fraction
Chemical name	Greece	Hungary	Italy MDLPS	Italy AIDII
Calcium sulfate dihydrate 7778-18-9	-	TWA-AK: 41.5 mg/m³;	-	TWA: 10 mg/m³; inhalable fraction
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³; respirable dust fraction	TWA-AK: 0.1 mg/m³; respirable fraction	TWA: 0.1 mg/m³; respirable fraction	TWA: 0.025 mg/m³; respirable fraction
Chemical name	Ireland	Latvia	Lithuania	Luxembourg
Calcium sulfate dihydrate 7778-18-9	TWA: 10 mg/m³; STEL: 30 mg/m³ (calculated);	TWA: 4 mg/m³; plaster dust	-	-
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³ (Silica, crystalline, respirable dust) TWA: 6 mg/m³ TWA: 2.4 mg/m³ (Silica, amorphous)	-	TWA-IPRD: 0.1 ppm; respirable fraction	TWA: 0.1 mg/m³;
Chemical name	Malta	Netherlands	Norway	Poland
Calcium sulfate dihydrate 7778-18-9	-	-	-	TWA-NDS: 10 mg/m³; inhalable fraction
Quartz (SiO2) 14808-60-7	-	TWA: 0.075 mg/m³; respirable fraction	TWA: 0.05 mg/m³; respirable dust TWA: 0.3 mg/m³; total dust STEL: 0.9 mg/m³ (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/m³ (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/m³; respirable fraction
Chemical name	Portugal	Romania	Slovakia	Slovenia
Calcium sulfate dihydrate 7778-18-9	TWA (VLE-MP): 10 mg/m³; inhalable fraction	-	TWA: 4 mg/m³; inhalable fraction TWA: 1.5 mg/m³;	TWA: 6 mg/m³; respirable fraction
Microsilica 69012-64-2	-	-	-	TWA: 0.3 mg/m³; respirable fraction
Quartz (SiO2) 14808-60-7	TWA (VLE-MP): 0.025 mg/m³; respirable	TWA: 0.1 mg/m³; dust, respirable fraction	TWA: 0.1 mg/m³; STEL: 0.5 mg/m³;	TWA: 0.05 mg/m³; respirable fraction

	fraction			
Tartaric acid 87-69-4	-	-	-	TWA: 2 mg/m³; inhalable fraction STEL: 4 mg/m³; inhalable fraction
Chemical name	Spain	Sweden	Switzerland	United Kingdom
Calcium sulfate dihydrate 7778-18-9	TWA-(VLA-ED): 10 mg/m³;	-	TWA-MAK: 3 mg/m³; respirable dust	TWA: 10 mg/m³ TWA: 4.0 mg/m³
Microsilica 69012-64-2	-	-	TWA-MAK: 0.3 mg/m³; respirable dust	-
Glass fibre -	-	-	-	TWA: 2 fibre/mL TWA: 5 mg/m³
Quartz (SiO2) 14808-60-7	TWA-(VLA-ED): 0.05 mg/m³; respirable fraction	TLV-NGV: 0.1 mg/m³; respirable fraction	TWA-MAK: 0.15 mg/m³; respirable dust	TWA: 0.1 mg/m³ (Silica, respirable crystalline) TWA: 6 mg/m³ TWA: 2.4 mg/m³ (Silica, amorphous)
Tartaric acid 87-69-4	-	-	TWA-MAK: 2 mg/m³; inhalable dust STEL-KZGW: 4 mg/m³; inhalable dust	-

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/m³ [4] [6] 5082 mg/m³ [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/m³ [4] [6] 3811 mg/m³ [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	-	-	100 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
7778-18-9					

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 suitable gloves. During cutting, grinding or sanding operations, wear protective gloves if handling sharp or rough edges.

Skin and body protection No special protective equipment required.

Respiratory protection Harmful dust may be released during cutting or grinding process. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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 Flat sheet tiles in different lengths
Physical state Solid
Colour White,
Odour Odourless
Odour threshold No information available

Property	Values	Remarks • Method
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		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. Stable under recommended storage 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 Oxidising agent. Organic solvents.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapours. Hydrogen chloride. Carbon oxides.

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 Harmful dust may be released during cutting or grinding process. Inhalation of dust in high concentration may cause irritation of respiratory system.

Eye contact Not an expected route of exposure. Dust contact with the eyes can lead to mechanical irritation.

Skin contact Prolonged contact may cause redness and irritation. Contact with dust can cause mechanical irritation or drying of the skin.

Ingestion Not an expected route of exposure. May cause gastrointestinal discomfort.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Harmful dust may be released during cutting or grinding process. 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 No information available.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate dihydrate	> 2000 mg/kg (Rat)	-	> 3.26 mg/l (Rat)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one	= 1636 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 0.26 mg/L (Rat) 4 h
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 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

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

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

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. Large or frequent spills may have hazardous effects on the environment. The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Contains active substance: 4,5-Dichloro-2-octyl-2H-isothiazol-3-one (DCOIT).

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)	-	-	-
Microsilica	LC50: >100mg/L (96h, Danio rerio)	-	-	-
4,5-Dichloro-2-octyl-2H-isothiazol-3-one	LC50: =2.7 µg/l (96h, Oncorhynchus mykiss) NOEC: 0.47 µg/l (35d, Brachydanio rerio)	EC50: 2.1 - 3.2 µg/l (48h, Crassostrea virginica) NOEC: 0.4 µg/l (21d, Daphnia magna)	-	-
Tartaric acid	LC50: >100mg/L (96h, Danio rerio)	-	-	-

12.2. Persistence and degradability No information available.

Calcium sulfate dihydrate (7778-18-9)

Exposure time	Method	Value	Results

-			

12.3. Bioaccumulative potential No information available.

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 dihydrate	Not PBT/vPvB
Microsilica	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 The generation of waste should be minimised or avoided wherever possible. 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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

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 (SiO2) 14808-60-7	RG 25

Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

TA Luft (German Air Pollution Control Regulation)

Chemical name	Number	Class
Quartz (SiO2) 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 (SiO2) 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)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	75	-

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 (SiO2) 14808-60-7	Plant protection agent

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	Product-type 8: Wood preservatives Product-type 21: Antifouling products Product-type 7: Film preservatives Product-type 9: Fibre, leather, rubber and polymerised materials preservatives Product-type 10: Construction material preservatives Product-type 11: Preservatives for liquid-cooling and processing systems
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

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	Sensitiser
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

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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Further information	This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only

This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006

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End of Safety Data Sheet