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** 20-Nov-2024 **Revision Number** 3

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

1.1. Product identifier

Product Name Gyproc Gyp Finisher

Unique Formula Identifier (UFI) U1S2-00E9-300F-NYWY

Synonyms None

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

Recommended use Fillers

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**
Ireland	National Poisons Information Centre: +353 (0)1 809 2166 (General public)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin sensitisation	Category 1 - (H317)

2.2. Label elements

Contains 2-Methyl-2H-isothiazol-3-one, 1,2-Benzisothiazol-3(2H)-one

Signal word
Warning

Hazard statements
H317 - May cause an allergic skin reaction.

Precautionary Statements - EU (§28, 1272/2008)
P102 - Keep out of reach of children.
P261 - Avoid breathing dusts or mists.
P280 - Wear protective gloves/protective clothing and eye/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.
P501 - Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

Other hazards No information available.

PBT & vPvB None known

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Calcium carbonate 471-34-1	15 - 25	-	207-439-9	[C]	-	-	-	-
Mica 12001-26-2	1 - 5	-	-	[C]	-	-	-	-
Sodium hydroxide 1310-73-2	<0.1	01-2119457892-27-XXXX	215-185-5 (011-002-00-6)	Skin Corr. 1A (H314) Eye Dam. 1 (H318) Met. Corr. 1 (H290)	Eye Irrit. 2 :: 0.5%<=C<2% Skin Corr. 1A :: C>=5% Skin Corr. 1B :: 2%<=C<5% Skin Irrit. 2 :: 0.5%<=C<2%	-	-	-
Magnesium oxide 1309-48-4	<0.1	-	215-171-9	[C]	-	-	-	-
2-Methyl-2H-isothiaz	0.0015 -	-	220-239-6	Acute Tox. 3 (H301)	Skin Sens. 1A	10	1	-

ol-3-one 2682-20-4	<0.1		(613-326-00-9)	Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	:: C>=0.0015%			
1,2.Benzisothiazol-3(2H)-one 2634-33-5	0.0036 - <0.036	-	220-120-9 (613-088-00-6)	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Skin Sens. 1A :: C>=0.036%	1	1	-
Quartz (SiO2) 14808-60-7	<0.1	-	238-878-4	STOT RE 2 (H372) [C]	-	-	-	-
Glyoxal 107-22-2	<0.1	-	203-474-9 (605-016-00-7)	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Muta. 2 (H341)	-	-	-	B

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 carbonate 471-34-1	>2000	>2000	-	-	-
Sodium hydroxide 1310-73-2	325	1350	-	-	-
Magnesium oxide 1309-48-4	3990 3870	-	-	-	-
2-Methyl-2H-isothiazol-3-one 2682-20-4	120	242	0.11	-	-
1,2.Benzisothiazol-3(2H)-one 2634-33-5	450 + 1020	No data available	0.21 +	No data available	No data available
Glyoxal 107-22-2	2960	12700	2.44	-	-

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 Show this safety data sheet to the doctor in attendance.

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately if symptoms occur. Administer oxygen if breathing is difficult.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while 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. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

Ingestion Rinse mouth. 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.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

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

Symptoms May cause allergic skin reaction. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Prolonged or repeated contact may dry skin and cause irritation. May cause temporary eye irritation.

Effects of Exposure No information available.

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. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. 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 Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Hazardous combustion products Carbon oxides. Carbon monoxide.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

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

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 Clear up spills immediately and dispose of waste safely. Small spill: Wipe up with absorbent material (eg. cloth, fleece). Large spill: Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labelled containers. 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 Keep out of reach of children. 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. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep away from food, drink and animal feedingstuffs. Keep container closed when not in use.

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 Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container upright. Store in accordance with local regulations. Store away from incompatible materials. Keep from freezing. Protect from sunlight. Keep at temperatures between 5 and 30 °C.

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 carbonate 471-34-1	-	-	-	-	TWA: 10 mg/m³ TWA: 4 mg/m³
Mica 12001-26-2	-	TWA: 10 mg/m³	TWA: 3 mg/m³	TWA: 3.0 mg/m³ TWA: 6.0 mg/m³	TWA: 0.8 mg/m³ TWA: 10 mg/m³
Sodium hydroxide 1310-73-2	-	TWA: 2 mg/m³ STEL 4 mg/m³	TWA: 2 mg/m³	TWA: 2.0 mg/m³	STEL: 2 mg/m³
Magnesium oxide 1309-48-4	-	TWA: 5 mg/m³ TWA: 10 mg/m³ STEL 20 mg/m³ STEL 10 mg/m³	TWA: 10 mg/m³	TWA: 10.0 mg/m³	TWA: 4 mg/m³ TWA: 10 mg/m³
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	TWA: 0.05 mg/m³ Sh+	-	-	-
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³ TWA: 0.05 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Glyoxal 107-22-2	-	-	TWA: 0.1 mg/m³	-	-

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Mica 12001-26-2	-	TWA: 2.0 mg/m³	-	-	-
Sodium hydroxide 1310-73-2	-	TWA: 1 mg/m³ Ceiling: 2 mg/m³	Ceiling: 2 mg/m³	TWA: 1 mg/m³ STEL: 2 mg/m³	Ceiling: 2 mg/m³
Magnesium oxide 1309-48-4	-	TWA: 5 mg/m³ Ceiling: 10 mg/m³	TWA: 6 mg/m³ STEL: 12 mg/m³	-	-
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³ STEL: 0.6 mg/m³ STEL: 0.2 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³
Glyoxal 107-22-2	-	-	Ceiling: 0.2 ppm Ceiling: 0.5 mg/m³	-	TWA: 0.02 mg/m³

Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Calcium carbonate 471-34-1	TWA: 10 mg/m³	-	-	-	-
Sodium hydroxide 1310-73-2	TWA: 2 mg/m³	-	-	TWA: 2 mg/m³ STEL: 2 mg/m³	TWA: 1 mg/m³ STEL: 2 mg/m³
Magnesium oxide 1309-48-4	TWA: 10 mg/m³	TWA: 1.25 mg/m³ TWA: 10 mg/m³	TWA: 0.3 mg/m³ TWA: 4 mg/m³ Peak: 2.4 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³	TWA: 6 mg/m³
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	-	TWA: 0.2 mg/m³ Peak: 0.4 mg/m³ skin sensitizer	-	-
1,2.Benzisothiazol-3(2H)-one 2634-33-5	-	-	skin sensitizer	-	-
Quartz (SiO2) 14808-60-7	TWA: 0.1 mg/m³	-	-	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Glyoxal 107-22-2	-	-	Sk* skin sensitizer	-	-

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Calcium carbonate 471-34-1	-	-	-	TWA: 6 mg/m³	-
Mica 12001-26-2	TWA: 3 mg/m³ STEL: 9 mg/m³	-	TWA: 3 mg/m³	-	-
Sodium hydroxide	STEL: 2 mg/m³	-	Ceiling: 2 mg/m³	TWA: 0.5 mg/m³	Ceiling: 2 mg/m³

1310-73-2					
Magnesium oxide 1309-48-4	TWA: 4 mg/m³ TWA: 5 mg/m³ TWA: 10 mg/m³ STEL: 10 mg/m³ STEL: 12 mg/m³ STEL: 30 mg/m³	-	TWA: 10 mg/m³	-	TWA: 4 mg/m³
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: 0.1 mg/m³	TWA: 0.025 mg/m³	-	TWA: 0.1 ppm
Glyoxal 107-22-2	STEL: 0.3 mg/m³	-	TWA: 0.1 mg/m³ senD+	-	-

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Calcium carbonate 471-34-1	-	-	-	-	TWA: 10 mg/m³
Mica 12001-26-2	-	-	-	TWA: 6 mg/m³ TWA: 3 mg/m³ STEL: 12 mg/m³ STEL: 6 mg/m³	-
Sodium hydroxide 1310-73-2	-	-	-	Ceiling: 2 mg/m³	TWA: 0.5 mg/m³ STEL: 1 mg/m³
Magnesium oxide 1309-48-4	-	-	-	TWA: 10 mg/m³ STEL: 20 mg/m³	TWA: 10 mg/m³
Quartz (SiO2) 14808-60-7	-	-	TWA: 0.075 mg/m³	TWA: 0.05 mg/m³ TWA: 0.3 mg/m³ STEL: 0.9 mg/m³ STEL: 0.15 mg/m³	TWA: 0.1 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Mica 12001-26-2	TWA: 3 mg/m³	TWA: 3 mg/m³	Ceiling: 10 mg/m³	-	TWA: 3 mg/m³
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m³	TWA: 1 mg/m³ STEL: 3 mg/m³	TWA: 2 mg/m³	-	STEL: 2 mg/m³
Magnesium oxide 1309-48-4	TWA: 10 mg/m³	TWA: 5 mg/m³ STEL: 15 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³	-	TWA: 10 mg/m³
Quartz (SiO2) 14808-60-7	TWA: 0.025 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ STEL: 0.5 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³
Glyoxal 107-22-2	TWA: 0.1 mg/m³ Sensitizer dermal	-	-	-	TWA: 0.1 mg/m³ Sen+

Chemical name	Sweden	Switzerland	United Kingdom
Calcium carbonate 471-34-1	-	TWA: 3 mg/m³ TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³
Mica 12001-26-2	-	TWA: 3 mg/m³	TWA: 10 mg/m³ TWA: 0.8 mg/m³ STEL: 30 mg/m³ STEL: 2.4 mg/m³
Sodium hydroxide 1310-73-2	NGV: 1 mg/m³ Bindande KGV: 2 mg/m³	TWA: 2 mg/m³ STEL: 2 mg/m³	STEL: 2 mg/m³
Magnesium oxide 1309-48-4	-	TWA: 3 mg/m³ TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	TWA: 0.2 mg/m³ STEL: 0.4 mg/m³	-
Quartz (SiO2) 14808-60-7	NGV: 0.1 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³ (Silica, respirable crystalline)

			TWA: 6 mg/m³ TWA: 2.4 mg/m³ (Silica, amorphous)

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Quartz (SiO2) 14808-60-7	-		-	-	-

Derived No Effect Level (DNEL) - Workers No information available

Chemical name	Oral	Dermal	Inhalation
Calcium carbonate 471-34-1	-	-	6.36 mg/m³ [5] [6]
Sodium hydroxide 1310-73-2	-	-	1 mg/m³ [5] [6]
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	-	0.021 mg/m³ [5] [6] 0.043 mg/m³ [5] [7]
1,2.Benzisothiazol-3(2H)-one 2634-33-5	-	0.966 mg/kg bw/day [4] [6]	6.81 mg/m³ [4] [6]
Glyoxal 107-22-2	-	6.6 mg/kg bw/day [4] [6]	2.96 mg/m³ [4] [6] 8.9 mg/m³ [4] [7] 40 µg/m³ [5] [6]

Derived No Effect Level (DNEL) - General Public No information available.

Chemical name	Oral	Dermal	Inhalation
Calcium carbonate 471-34-1	6.1 mg/kg bw/day [4] [6] 6.1 mg/kg bw/day [4] [7]	-	1.06 mg/m³ [5] [6]
Sodium hydroxide 1310-73-2	-	-	1 mg/m³ [5] [6]
2-Methyl-2H-isothiazol-3-one 2682-20-4	0.027 mg/kg bw/day [4] [6] 0.053 mg/kg bw/day [4] [7]	-	0.021 mg/m³ [5] [6] 0.043 mg/m³ [5] [7]
1,2.Benzisothiazol-3(2H)-one 2634-33-5	-	-	1.2 mg/m³ [4] [6]
Glyoxal 107-22-2	0.15 mg/kg bw/day [4] [6]	-	0.44 mg/m³ [4] [6] 1.32 mg/m³ [4] [7] 10 µg/m³ [5] [6]

Predicted No Effect Concentration (PNEC) No information available.

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
2-Methyl-2H-isothiazol-3-one 2682-20-4	3.39 µg/L	3.39 µg/L	3.39 µg/L	3.39 µg/L	-
1,2.Benzisothiazol-3(2H)-one 2634-33-5	4.03 µg/L	1.1 µg/L	0.403 µg/L	110 ng/L	-
Glyoxal 107-22-2	0.319 mg/L	1.1 mg/L	0.0319 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Calcium carbonate 471-34-1	-	-	100 mg/L	-	-
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	-	0.23 mg/L	0.0471 mg/kg soil dw	-
1,2.Benzisothiazol-3(2H)-one 2634-33-5	49.9 µg/kg sediment dw	4.99 µg/kg sediment dw	1.03 mg/L	3 mg/kg soil dw	-
Glyoxal 107-22-2	0.685 mg/kg sediment dw	0.0685 mg/kg sediment dw	4.1 mg/L	6.3 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. 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. 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 Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Paste
Physical state Liquid
Colour White
Odour Mild
Odour threshold No information available

Property	Values	Remarks • Method
Melting point / freezing point		No data available

Initial boiling point and boiling range		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
pH	8.5 - 9	No data available
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility	Miscible in water	No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Vapour pressure		No data available
Relative density	1.53 (+/- 2%)	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

No information available

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 Keep from freezing. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Incompatible materials Acids. Strong oxidising agents.

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.

Eye contact Specific test data for the substance or mixture is not available. May cause temporary eye irritation.

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Prolonged or repeated contact may dry skin and cause irritation.

Ingestion Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause temporary eye 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 carbonate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	>3 mg/L (Rat) 4h
Sodium hydroxide	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	-
Magnesium oxide	= 3990 mg/kg (Rat) = 3870 mg/kg (Rat)	-	-
2-Methyl-2H-isothiazol-3-one	= 120 mg/kg (Rat)	= 242 mg/kg (Rat)	= 0.11 mg/L (Rat) 4 h
1,2.Benzisothiazol-3(2H)-one	= 1020 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Glyoxal	= 2960 mg/kg (Rat)	= 12700 mg/kg (Rabbit)	= 2.44 mg/L (Rat) 4 h

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 carbonate (471-34-1)	
Exposure route	Dermal
Effective dose	0.5 g

2-Methyl-2H-isothiazol-3-one (2682-20-4)	
Effective dose	0.5 mL

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

Respiratory or skin sensitisation May cause sensitisation by skin contact.

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

Chemical name	European Union
Glyoxal	Muta. 2

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.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Calcium carbonate 471-34-1	EC50: >200 mg/L (72h, Algae)	LC50: >10000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000 mg/L (48h, Daphnia magna)
Sodium hydroxide 1310-73-2	-	LC50: =45.4mg/L (96h, Oncorhynchus mykiss)	-	EC50: =40.4mg/L (48h, Ceriodaphnia sp.)
2-Methyl-2H-isothiazol-3-one 2682-20-4	EC50: >0.072 mg/L (72h, Skeletonema costatum)	LC50: 4.77 mg/L (96h, Oncorhynchus mykiss)	EC50: 41 mg/L (3h, Activated sludge)	LC50: 0.934 mg/L (48h, Daphnia magna)
Glyoxal	EC50: >500mg/L (72h,	LC50: =215mg/L (96h,	-	EC50: =404mg/L (48h,

107-22-2	Desmodesmus subspicatus) EC50: >500mg/L (96h, Desmodesmus subspicatus) EC50: <=348.59mg/L (96h, Pseudokirchneriella subcapitata)	Pimephales promelas)		Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
2-Methyl-2H-isothiazol-3-one	-0.486
1,2.Benzisothiazol-3(2H)-one	0.99
Glyoxal	-1

12.4. Mobility in soil

Mobility in soil Immiscible in water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
Calcium carbonate 471-34-1	The substance is not PBT / vPvB
Sodium hydroxide 1310-73-2	The substance is not PBT / vPvB
2-Methyl-2H-isothiazol-3-one 2682-20-4	The substance is not PBT / vPvB
1,2.Benzisothiazol-3(2H)-one 2634-33-5	The substance is not PBT / vPvB
Glyoxal 107-22-2	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 No information available.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Recover or recycle if possible. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. This material and its container must be disposed of in a safe way.
Contaminated packaging	Since empty containers retain product residue, follow label warnings even after container is emptied. Recover or recycle if possible.
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
Note:	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 applicable
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
Mica - 12001-26-2	RG 25
1,2.Benzisothiazol-3(2H)-one - 2634-33-5	RG 65
Quartz (SiO2) - 14808-60-7	RG 25

Chemical Prohibition Ordinance (ChemVerbotsV) Not applicable

Chemical name	Chemical Prohibition Ordinance (ChemVerbotsV)
Quartz (SiO2) 14808-60-7	1.2

Chemical name	Number	Class
Quartz (SiO2)	5.2.7.1.1	-
Glyoxal	5.2.5	Class I

TRGS 905 Not applicable

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
Calcium carbonate - 471-34-1	75	-

Sodium hydroxide - 1310-73-2	75	-
2-Methyl-2H-isothiazol-3-one - 2682-20-4	75	-
1,2.Benzisothiazol-3(2H)-one - 2634-33-5	75	-
Glyoxal - 107-22-2	75	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590
Not applicable.

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Calcium carbonate - 471-34-1	Plant protection agent
Quartz (SiO2) - 14808-60-7	Plant protection agent

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
2-Methyl-2H-isothiazol-3-one - 2682-20-4	Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives Product-type 6: Preservatives for products during storage
1,2.Benzisothiazol-3(2H)-one - 2634-33-5	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 9: Fibre, leather, rubber and polymerised materials preservatives Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives
Glyoxal - 107-22-2	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 4: Food and feed area

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

Full text of any hazard and/or precautionary statements referred to under Sections 2-15
EUH071 - Corrosive to the respiratory tract
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage
H330 - Fatal if inhaled
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
P261 - Avoid breathing dust, fume, gas, mist, vapors and spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves, protective clothing, eye protection and face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P321 - Specific treatment (see supplemental first aid instructions on this label)
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

Legend

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	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)
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
Sen+	Sensitiser
Sk*	Skin designation
**	Hazard 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
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)
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)
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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End of Safety Data Sheet