

Issuing Date 20-Jan-2021

Revision Date 20-Jan-2021

Revision Number 1

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

1.1. Product identifier

Product Name Gyproc Gyp Finisher

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

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)

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

Europe emergency contact number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitisation	Category 1 - (H317)
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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

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

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

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Calcium carbonate 471-34-1	15 - 25	-	207-439-9	Not Classified [C]	-	-	-
Mica 12001-26-2	1 - 5	-	-	Not Classified [C]	-	-	-
Sodium hydroxide 1310-73-2	<0.1	01-211945789 2-27-XXXX	215-185-5	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	Not Classified [C]	-	-	-
2-Methyl-2H-isothiazol-3-one 2682-20-4	<0.1	-	220-239-6	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2	Skin Sens. 1A :: C≥0.0015%	10	1

				(H330) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) (EUH071) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)			
1,2-benzisothiazol-3(2H)-one 2634-33-5	<0.1	-	220-120-9	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	Skin Sens. 1 :: C>=0.05%	1	-
Quartz (SiO2) 14808-60-7	<0.1	-	238-878-4	STOT RE 2 (H372) [C]	-	-	-
Glyoxal 107-22-2	<0.1	No data available	203-474-9	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Muta. 2 (H341)	-	-	-

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

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

Acute Toxicity Estimate

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

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Calcium 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	490	>2000	-	-	-

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
2634-33-5					
Glyoxal 107-22-2	2960	12700	2.44	-	-

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	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	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur. Do not induce vomiting without medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person.
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.
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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. 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

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

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Keep people away from and upwind of spill/leak. 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
Mica 12001-26-2	-	TWA: 10 mg/m ³	TWA: 3 mg/m ³	TWA: 3.0 mg/m ³ TWA: 6.0 mg/m ³	TWA: 0.8 mg/m ³ TWA: 10 mg/m ³
Sodium hydroxide 1310-73-2	-	TWA: 2 mg/m ³ STEL 4 mg/m ³	-	TWA: 2.0 mg/m ³	STEL: 2 mg/m ³
Magnesium oxide 1309-48-4	-	TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL 20 mg/m ³ STEL 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10.0 mg/m ³	TWA: 4 mg/m ³ TWA: 10 mg/m ³
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	TWA: 0.05 mg/m ³ Skin sensitizer	-	-	-
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³	TWA: 0.15 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Glyoxal 107-22-2	-	-	TWA: 0.1 mg/m ³	-	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Mica 12001-26-2	-	TWA: 2.0 mg/m ³	-	-	-
Sodium hydroxide 1310-73-2	-	TWA: 1 mg/m ³ Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	Ceiling: 2 mg/m ³
Magnesium oxide 1309-48-4	-	TWA: 5 mg/m ³ Ceiling: 10 mg/m ³	TWA: 6 mg/m ³	-	-
Quartz (SiO ₂) 14808-60-7	-	TWA: 0.1 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.05 mg/m ³
Glyoxal 107-22-2	-	-	Ceiling: 0.2 ppm Ceiling: 0.5 mg/m ³	-	TWA: 0.02 mg/m ³
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Calcium carbonate 471-34-1	TWA: 10 mg/m ³	-	-	-	-
Sodium hydroxide 1310-73-2	TWA: 2 mg/m ³	-	-	TWA: 2 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Magnesium oxide 1309-48-4	TWA: 10 mg/m ³	TWA: 1.25 mg/m ³ TWA: 10 mg/m ³	TWA: 0.3 mg/m ³ TWA: 4 mg/m ³ Peak: 2.4 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 6 mg/m ³
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	-	TWA: 0.2 mg/m ³ Peak: 0.4 mg/m ³ skin sensitizer	-	-
1,2-benzisothiazol-3(2H)-one 2634-33-5	-	-	skin sensitizer	-	-

Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³	-	-	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Glyoxal 107-22-2	-	-	* skin sensitizer	-	-
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Calcium carbonate 471-34-1	-	-	-	TWA: 6 mg/m ³	-
Mica 12001-26-2	TWA: 3 mg/m ³ STEL: 9 mg/m ³	-	TWA: 3 mg/m ³	-	-
Sodium hydroxide 1310-73-2	STEL: 2 mg/m ³	-	Ceiling: 2 mg/m ³	TWA: 0.5 mg/m ³	Ceiling: 2 mg/m ³
Magnesium oxide 1309-48-4	TWA: 4 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³ STEL: 12 mg/m ³ STEL: 30 mg/m ³	-	TWA: 10 mg/m ³	-	TWA: 4 mg/m ³
1,2-benzisothiazol-3(2H)- one 2634-33-5	TWA: 10 mg/m ³ TWA: 4 mg/m ³	-	-	-	-
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ (Silica, crystalline, respirable dust) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)	-	TWA: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Glyoxal 107-22-2	STEL: 0.3 mg/m ³	-	TWA: 0.1 mg/m ³	-	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Calcium carbonate 471-34-1	-	-	-	-	TWA: 10 mg/m ³
Mica 12001-26-2	-	-	-	TWA: 6 mg/m ³ TWA: 3 mg/m ³ STEL: 12 mg/m ³ STEL: 6 mg/m ³	-
Sodium hydroxide 1310-73-2	-	-	-	Ceiling: 2 mg/m ³	STEL: 1 mg/m ³ TWA: 0.5 mg/m ³
Magnesium oxide 1309-48-4	-	-	-	TWA: 10 mg/m ³ STEL: 20 mg/m ³	TWA: 10 mg/m ³
Quartz (SiO ₂) 14808-60-7	-	-	TWA: 0.075 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³ STEL: 0.9 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Calcium carbonate 471-34-1	TWA: 10 mg/m ³	-	-	-	-
Mica 12001-26-2	TWA: 3 mg/m ³	TWA: 3 mg/m ³	-	-	TWA: 3 mg/m ³
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 2 mg/m ³	-	STEL: 2 mg/m ³
Magnesium oxide 1309-48-4	TWA: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³	-	TWA: 10 mg/m ³
Quartz (SiO ₂) 14808-60-7	TWA: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.5 mg/m ³	-	TWA: 0.05 mg/m ³
Glyoxal 107-22-2	TWA: 0.1 mg/m ³ Sensitizer	-	-	-	TWA: 0.1 mg/m ³ sensitizer
Chemical name	Sweden		Switzerland		United Kingdom
Calcium carbonate 471-34-1	-		TWA: 3 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³
Mica	-		TWA: 3 mg/m ³		TWA: 10 mg/m ³

12001-26-2			TWA: 0.8 mg/m ³ STEL: 30 mg/m ³ STEL: 2.4 mg/m ³
Sodium hydroxide 1310-73-2	NGV: 1 mg/m ³ Bindande KGV: 2 mg/m ³	TWA: 2 mg/m ³ STEL: 2 mg/m ³	STEL: 2 mg/m ³
Magnesium oxide 1309-48-4	-	TWA: 3 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
2-Methyl-2H-isothiazol-3-one 2682-20-4	-	TWA: 0.2 mg/m ³ STEL: 0.4 mg/m ³	-
Quartz (SiO ₂) 14808-60-7	NGV: 0.1 mg/m ³	TWA: 0.15 mg/m ³	TWA: 0.1 mg/m ³ (Silica, respirable crystalline) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)

Biological occupational exposure limits

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

Derived No Effect Level (DNEL) No information available.

Calcium carbonate (471-34-1)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
General Population Long term Local health effects	Inhalation	1.06 mg/m ³	-
General Population Long term Local health effects	Oral	6.1 mg/kg bw/d	-

Predicted No Effect Concentration (PNEC) No information available.

Calcium carbonate (471-34-1)

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

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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	8.5 - 9	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	Miscible in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	1.53 (+/- 2%)	None known
Bulk density	No data available	
Liquid Density	No data available	
Vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid 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.

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 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	490 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)	
Method	OECD Test No. 404: Acute Dermal Irritation/Corrosion
Exposure route	Dermal
Effective dose	0.5 g
Exposure time	4 hours
Results	non-irritant

2-Methyl-2H-isothiazol-3-one (2682-20-4)	
Method	OECD Test No. 404: Acute Dermal Irritation/Corrosion
Effective dose	0.5 mL
Exposure time	4 hours
Results	Corrosive

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.

Component Information	
2-Methyl-2H-isothiazol-3-one (2682-20-4)	
Method	OECD Test No. 406: Skin Sensitisation
Exposure route	Dermal
Results	Sensitising

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Method	OECD Test No. 406: Skin Sensitisation
Exposure route	Dermal
Results	Sensitising

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	-	LC50: > 100% (96h, Oncorhynchus mykiss)	-	EC50: > 100% (96h, Daphnia magna)
Sodium hydroxide	-	LC50: =45.4mg/L (96h, Oncorhynchus mykiss)	-	EC50: =40.4mg/L (48h, Ceriodaphnia sp.)
2-Methyl-2H-isothiazol-3-one	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)
1,2-benzisothiazol-3(2H)-one	EC50: 150 µg/L (72h, Pseudokirchneriella subcapitata)	LC50: 16.7 mg/L (96h, Cyprinodon variegatus)	EC50: 13 mg/L (3h, Activated sludge)	EC50: 2.9 mg/L (48h, Daphnia magna)
Glyoxal	EC50: >500mg/L (72h, Desmodesmus subspicatus) EC50: >500mg/L (96h, Desmodesmus subspicatus) EC50: <=348.59mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =215mg/L (96h, Pimephales promelas)	-	EC50: =404mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information			
2-Methyl-2H-isothiazol-3-one (2682-20-4)			
Method	Exposure time	Value	Results
OECD Test No. 301B: Ready	29 days	47.6 - 55.8%	Not readily biodegradable

Biodegradability: CO2 Evolution Test (TG 301 B)			
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1,2-benzisothiazol-3(2H)-one (2634-33-5)			
Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	63 days	85%	Not readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
2-Methyl-2H-isothiazol-3-one	-0.486
1,2-benzisothiazol-3(2H)-one	0.7
Glyoxal	-0.85

12.4. Mobility in soil

Mobility in soil No information available.

Mobility Immiscible in water.

12.5. Results of PBT and vPvB assessment

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

Chemical name	PBT and vPvB assessment
Calcium carbonate	The substance is not PBT / vPvB PBT assessment does not apply
Sodium hydroxide	The substance is not PBT / vPvB PBT assessment does not apply
2-Methyl-2H-isothiazol-3-one	The substance is not PBT / vPvB
1,2-benzisothiazol-3(2H)-one	The substance is not PBT / vPvB
Glyoxal	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.

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

IMDG

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

RID

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

ADR

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

IATA

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

SECTION 15: Regulatory information

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Mica	RG 25	-

12001-26-2		
1,2-benzisothiazol-3(2H)-one 2634-33-5	RG 65	-
Quartz (SiO ₂) 14808-60-7	RG 25	-

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

European Union

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

Authorisations and/or restrictions on use:

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

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

Chemical name	Plant protection products directive (91/414/EEC)
Calcium carbonate - 471-34-1	Plant protection agent
Quartz (SiO ₂) - 14808-60-7	Plant protection agent

International Inventories

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

Legend:

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

15.2. Chemical safety assessment

Chemical Safety Report

Not applicable

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

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

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

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

U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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

Disclaimer

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

End of Safety Data Sheet