

Issuing Date 01-Aug-2023 Revision Date 01-Aug-2023 Revision Number 2

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

1.1. Product identifier

Product Name Gyproc Drywall Primer

Unique Formula Identifier (UFI) QVR2-001G-G00G-A9RU

Synonyms None

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

Recommended use Primers

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

**Signal word**

Warning

Hazard statements

H317 - May cause an allergic skin reaction.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

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.

Additional information

VOC Labelling

EU: (cat A/g): 30 g/l (2010). This product contains a maximum VOC content of 3.0 g/l.

Biocide Labelling: Contains 2-Methyl-2H-isothiazol-3-one, 1,2-Benzisothiazol-3(2H)-one, Bronopol to prevent microbial deterioration.**2.3. Other hazards**

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

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) |
|--|----------|---------------------------|-----------------------------|---|------------------------------------|----------|----------------------|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | 4 - 5 | 01-211948937 9-17-XXXX | (022-006-00-2) 236-675-5 | Carc. 2 (H351i) [C] | - | - | - |
| Kaolin 1332-58-7 | 2 - 5 | - | 310-194-1 | [C] | - | - | - |

| | | | | | | | |
|--|--------|---|-----------------------------|---|--------------------------------|----|---|
| Bronopol 52-51-7 | <0.025 | - | (603-085-00-8) 200-143-0 | Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400) | - | 10 | - |
| 2-Methyl-2H-isothiazol- ol-3-one 2682-20-4 | <0.025 | - | (613-326-00-9) 220-239-6 | Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071) | Skin Sens. 1A :: C>=0.0015% | 10 | 1 |
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | <0.005 | - | 220-120-9 (613-088-00-6) | 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 | - |

Additional information

The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$

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 16Acute 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 |
|---------------|-----------------|-------------------|---|---|---|
|---------------|-----------------|-------------------|---|---|---|

| 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 |
|--|-----------------|-------------------|---|--|--------------------------------------|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] 13463-67-7 | 10010 | No data available | 5.09 | No data available | No data available |
| Kaolin 1332-58-7 | 5005 | 5005 | No data available | No data available | No data available |
| Bronopol 52-51-7 | 193 | 1600 | - | - | - |
| 2-Methyl-2H-isothiazol-3-one 2682-20-4 | 120 | 242 | 0.11 | - | - |
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | 490 | >2000 | - | - | - |

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|---|
| General advice | 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.

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 |
|--|---------------------------|--|---|--|---|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | - | TWA: 5 mg/m ³ STEL 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10.0 mg/m ³ | TWA: 10 mg/m ³ TWA: 4 mg/m ³ |
| Kaolin 1332-58-7 | - | - | TWA: 2 mg/m ³ | TWA: 3.0 mg/m ³ TWA: 6.0 mg/m ³ | TWA: 2 mg/m ³ |
| 2-Methyl-2H-isothiazol-3-one 2682-20-4 | - | TWA: 0.05 mg/m ³ Sh+ | - | - | - |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | - | - | TWA: 6 mg/m ³ STEL: 12 mg/m ³ | TWA: 5 mg/m ³ | - |
| Kaolin 1332-58-7 | - | - | TWA: 2 mg/m ³ STEL: 4 mg/m ³ | - | TWA: 2 mg/m ³ |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | TWA: 10 mg/m ³ | TWA: 1.25 mg/m ³ TWA: 10 mg/m ³ | TWA: 0.3 mg/m ³ Peak: 2.4 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ | - |
| Kaolin 1332-58-7 | TWA: 10 mg/m ³ | - | - | - | - |
| Bronopol 52-51-7 | - | - | * | - | - |
| 2-Methyl-2H-isothiazol-3-one | - | - | TWA: 0.2 mg/m ³ Peak: 0.4 mg/m ³ | - | - |

| | | | | | |
|--|---|---|---|--|---|
| 2682-20-4 | | | skin sensitizer | | |
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | - | - | skin sensitizer | - | - |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³ | - | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 5 mg/m ³ |
| Kaolin 1332-58-7 | TWA: 2 mg/m ³ | - | TWA: 2 mg/m ³ | - | - |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | - | - | - | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | STEL: 30 mg/m ³ TWA: 10 mg/m ³ |
| Kaolin 1332-58-7 | - | - | - | - | TWA: 10.0 mg/m ³ |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ STEL: 15 mg/m ³ | TWA: 5 mg/m ³ | - | TWA: 10 mg/m ³ |
| Kaolin 1332-58-7 | TWA: 2 mg/m ³ | - | TWA: 10 mg/m ³ | - | TWA: 2 mg/m ³ |
| Chemical name | Sweden | | Switzerland | | United Kingdom |
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | NGV: 5 mg/m ³ | | TWA: 3 mg/m ³ TWA: 10 mg/m ³ | | TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³ |
| Kaolin 1332-58-7 | - | | TWA: 3 mg/m ³ | | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |
| 2-Methyl-2H-isothiazol-3-one 2682-20-4 | - | | S+ TWA: 0.2 mg/m ³ STEL: 0.4 mg/m ³ | | - |

Biological occupational exposure limits**Derived No Effect Level (DNEL) - Workers** No information available

| Chemical name | Oral | Dermal | Inhalation |
|---|------|--|---|
| Bronopol 52-51-7 | - | 2 mg/kg bw/day [4] [6] 6 mg/kg bw/day [4] [7] 8 µg/cm ² [5] [6] 8 µg/cm ² [5] [7] | 3.5 mg/m ³ [4] [6] 10.5 mg/m ³ [4] [7] 2.5 mg/m ³ [5] [6] 2.5 mg/m ³ [5] [7] |
| 2-Methyl-2H-isothiazol-3-one 2682-20-4 | - | - | 0.021 mg/m ³ [5] [6] 0.043 mg/m ³ [5] [7] |
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | - | 0.966 mg/kg bw/day [4] [6] | 6.81 mg/m ³ [4] [6] |

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

| Chemical name | Oral | Dermal | Inhalation |
|---|--|--|---|
| Bronopol 52-51-7 | 0.18 mg/kg bw/day [4] [6] 0.5 mg/kg bw/day [4] [7] | 2.1 mg/kg bw/day [4] [6] 2.1 mg/kg bw/day [4] [7] 4 µg/cm ² [5] [6] 4 µg/cm ² [5] [7] | 0.6 mg/m ³ [4] [6] 1.8 mg/m ³ [4] [7] 0.6 mg/m ³ [5] [7] |
| 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/m ³ [5] [6] 0.043 mg/m ³ [5] [7] |
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | - | - | 1.2 mg/m ³ [4] [6] |

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|---|------------|--------------------------------------|--------------|--|-----|
| Bronopol 52-51-7 | 0.01 mg/L | 0.0025 mg/L | 0.0008 mg/L | - | - |
| 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 | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|----------------------------|------------------------------|------------------|-------------------------|------------|
| Bronopol 52-51-7 | 0.041 mg/kg sediment dw | 0.00328 mg/kg sediment dw | 0.43 mg/L | 0.5 mg/kg soil dw | - |
| 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 | - |

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 | |
| Physical state | Liquid |
| Colour | According to product specification |
| Odour | Characteristic |
| Odour threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|---------------------|-------------------------|
| 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 |
| pH | | No data available |
| pH (as aqueous solution) | | No data available |
| Kinematic viscosity | | No data available |
| Dynamic viscosity | | No data available |
| Water solubility | Immiscible in water | No data available |
| Solubility(ies) | | No data available |
| Partition coefficient | | No data available |
| Vapour pressure | | No data available |
| 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

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. Heat.

10.5. Incompatible materials

Incompatible materials Acids.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Ethers.

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**Numerical measures of toxicity**

No information available.

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|----------------------|----------------------------------|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] | > 10000 mg/kg (Rat) | - | = 5.09 mg/L (Rat) 4 h |
| Kaolin | > 5000 mg/kg (Rat) | > 5000 mg/kg (Rat) | - |
| Bronopol | = 193 mg/kg (Rat) | = 1600 mg/kg (Rat) | > 5 g/m ³ (Rat) 6 h |
| 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) | - |

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 | |
|--|--|
| 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.

Carcinogenicity

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

| Chemical name | European Union |
|--|----------------|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] | Carc. 2 |

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 |
|--|---|--|--------------------------------------|---------------------------------------|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] 13463-67-7 | EC50: 100mg/L (72h, Algae) | - | - | LC50: 500 mg/L (48h, Daphnia magna) |
| 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) |
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | 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) |

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 Biodegradability: CO2 Evolution Test (TG 301 B) | 29 days | 47.6 - 55.8% | Not readily biodegradable |
| 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 No information available.

Component Information

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Bronopol | 0.22 |

| | |
|------------------------------|--------|
| 2-Methyl-2H-isothiazol-3-one | -0.486 |
| 1,2-Benzisothiazol-3(2H)-one | 0.7 |

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 |
|--|---------------------------------|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] 13463-67-7 | The substance is not PBT / vPvB |
| Bronopol 52-51-7 | 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 |

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 | 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 Users | |
| Special Provisions | None |

14.7 Maritime transport in bulk according to IMO instruments No information available

RID Not regulated
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 applicable
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
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 applicable
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
Special Provisions None

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 applicable
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 |
|---|------------------|
| 1,2-Benzisothiazol-3(2H)-one 2634-33-5 | RG 65 |

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 |
|---|---|--|
| Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤10 µm] - 13463-67-7 | 75. | - |

| | | |
|--|-----|---|
| Bronopol - 52-51-7 | 75. | - |
| 2-Methyl-2H-isothiazol-3-one - 2682-20-4 | 75. | - |
| 1,2-Benzisothiazol-3(2H)-one - 2634-33-5 | 75. | - |

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|--|--|
| Bronopol - 52-51-7 | Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 22: Embalming and taxidermist fluids |
| 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 algacides 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 |

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 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

ATE: Acute Toxicity Estimate

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|------------------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| SCBA | Self-contained breathing apparatus | | |

| 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)

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 Library of Medicine's PubMed database (NLM PUBMED)

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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Disclaimer

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End of Safety Data Sheet