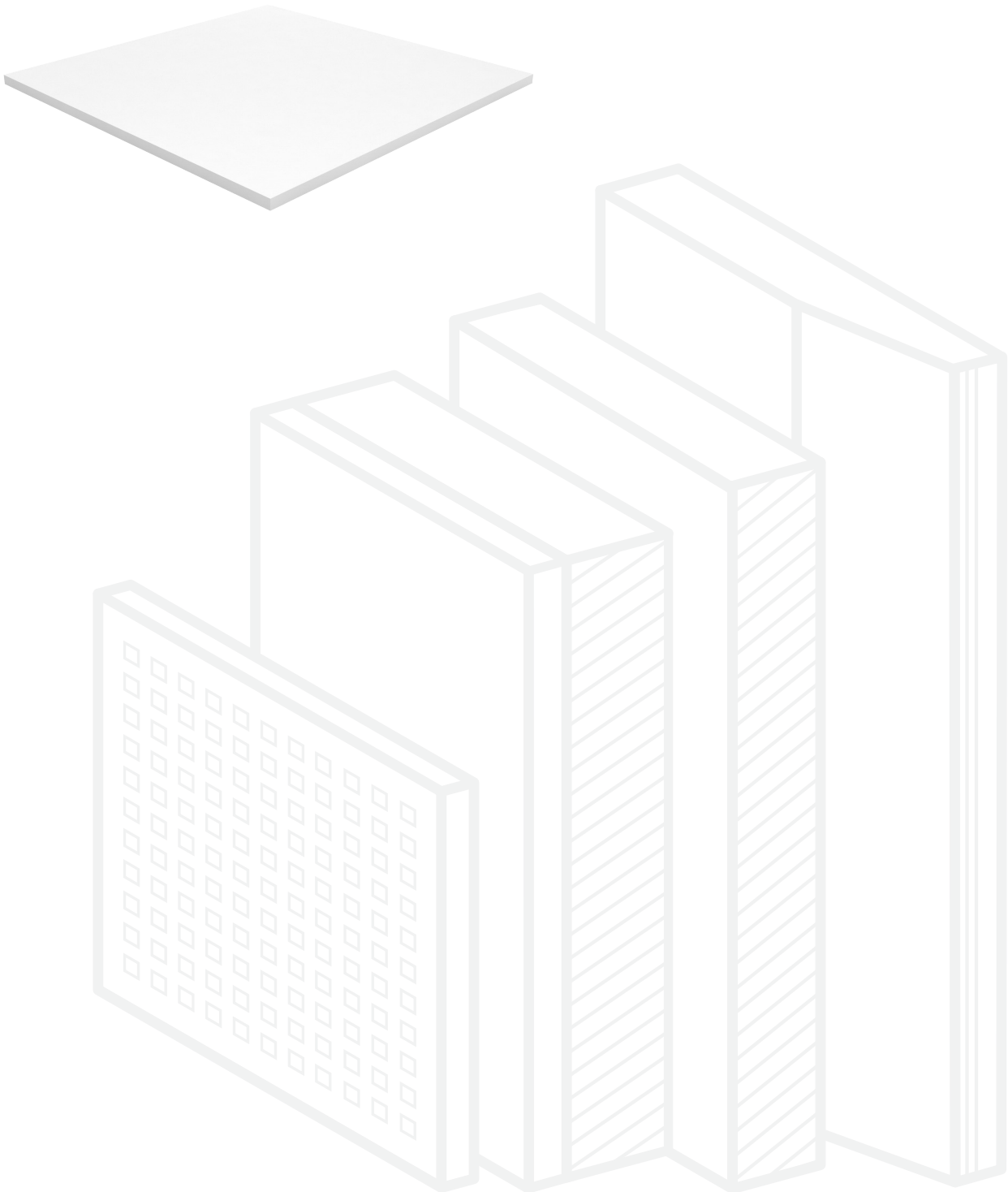


# Safety Data Sheet

Gyprex Bio





## SAFETY DATA SHEET

### Gyprex Bio

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** Gyprex Bio

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

**Identified uses** Internal ceiling linings in buildings.

**Uses advised against** No specific uses advised against are identified.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** British Gypsum  
East Leake  
Loughborough  
Leicestershire  
LE12 6HX  
UK  
T: +44 (0) 115 945 6123  
E: bgtechnical.enquiries@bpb.com

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 115 945 6123  
8:30am - 5:00pm Monday - Friday (GMT)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Human health** Harmful dust may be released during cutting or grinding process. Dust may irritate the eyes and the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Sharp edges and corners may cause cuts and abrasions.

##### 2.2. Label elements

**Hazard statements** NC Not Classified

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

## Gyprex Bio

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<p><b>Calcium sulfate dihydrate</b> <span style="float: right;"><b>50 - 100%</b></span></p> <p>CAS number: 7778-18-9                      EC number: 231-900-3                      REACH registration number: 01-2119444918-26-XXXX</p> <p>Substance with National workplace exposure limits.</p>
<p><b>Classification</b></p> <p>Not Classified</p>
<p><b>Microsilica</b> <span style="float: right;"><b>1 - &lt;2.5%</b></span></p> <p>CAS number: 69012-64-2                      EC number: 273-761-1</p> <p>Substance with National workplace exposure limits.</p>
<p><b>Classification</b></p> <p>Not Classified</p>
<p><b>PVC film</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: —</p>
<p><b>Classification</b></p> <p>Not Classified</p>
<p><b>4,5-Dichloro-2-octyl-2H-isothiazol-3-one</b> <span style="float: right;"><b>&lt;0.05%</b></span></p> <p>CAS number: 64359-81-5                      EC number: 264-843-8</p> <p>M factor (Acute) = 100                      M factor (Chronic) = 100</p>
<p><b>Classification</b></p> <p>Acute Tox. 4 - H302            Acute Tox. 2 - H330            Skin Corr. 1 - H314            Eye Dam. 1 - H318            Skin Sens. 1A - H317            Aquatic Acute 1 - H400            Aquatic Chronic 1 - H410</p>

The full text for all hazard statements is displayed in Section 16.

#### Composition comments

Calcium sulfate dihydrate encased in paper liners. Natural board constituents may include minor amounts of quartz.

PVC film: The film is manufactured from plasticised polyvinyl chloride and additives appropriate for processing or use, e.g. thermal stabilisers, UV stabilisers and pigments. The film contains a biocide to prevent fungal and bacterial growth.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

## Gyprex Bio

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Due to the physical nature of this product, exposure by this route is unlikely. IF INHALED: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.
<b>Ingestion</b>	Due to the physical nature of this product, it is unlikely that ingestion will occur. IF SWALLOWED: Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. If in doubt, get medical attention promptly.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Due to the physical nature of this product, exposure by this route is unlikely. IF IN EYES: Remove any contact lenses and open eyelids wide apart. Rinse with water. Do not rub eye. Get medical attention if symptoms are severe or persist after washing.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	The product is considered to be a low hazard under normal conditions of use. See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known. Due to the physical nature of this product, exposure by this route is unlikely. Harmful dust may be released during cutting or grinding process. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort. Harmful dust may be released during cutting or grinding process.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Sharp edges and corners may cause cuts and abrasions.
<b>Eye contact</b>	Particles in the eyes may cause irritation and smarting.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Specific treatments</b>	No special treatment required.
<b>Notes for the doctor</b>	Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

#### **5.2. Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Hydrogen chloride (HCl). Oxides of sulphur. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
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#### **5.3. Advice for firefighters**

## Gyprex Bio

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Provide adequate ventilation. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust. Avoid contact with eyes. No smoking, sparks, flames or other sources of ignition near spillage. Wash thoroughly after dealing with a spillage.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Collect spillage. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Reuse or recycle products wherever possible. Approach the spillage from upwind. Collect spillage. Avoid generation and spreading of dust. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Read and follow manufacturer's recommendations. Do not handle until all safety precautions have been read and understood. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Static electricity and formation of sparks must be prevented. Avoid handling which leads to dust formation. Avoid generation and spreading of dust. Prevent accumulation of dust. Avoid inhalation of dust. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust. Avoid contact with eyes.
<b>Advice on general occupational hygiene</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store away from incompatible materials (see Section 10). Store in accordance with local regulations. Keep in a cool, well ventilated place. Store in a dry place. Do not store near heat sources or expose to high temperatures. Keep away from flammable and combustible materials.
<b>Storage class</b>	Unspecified storage.

## Gyprex Bio

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

**Comments** Exposure to these ingredients as inhalable or respirable dust is minimal during normal use. Avoid handling which leads to dust formation.

##### Calcium sulfate dihydrate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Microsilica

Long-term exposure limit (8-hour TWA): WEL 6 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 2.4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> respirable crystalline

##### Glass fibre

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> 2 fibres/ml

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Quartz (SiO<sub>2</sub>)

Long-term exposure limit (8-hour TWA): WEL 6 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 2.4 mg/m<sup>3</sup> respirable dust

[Listed as: Silica, amorphous]

##### Quartz (SiO<sub>2</sub>)

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> respirable dust

[Listed as: Silica, respirable crystalline]

WEL = Workplace Exposure Limit.

#### Calcium sulfate dihydrate (CAS: 7778-18-9)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 21.17 mg/m <sup>3</sup>
	Workers - Inhalation; Short term systemic effects: 5082 mg/m <sup>3</sup>
	General population - Inhalation; Long term systemic effects: 5.29 mg/m <sup>3</sup>
	General population - Inhalation; Short term systemic effects: 3811 mg/m <sup>3</sup>
	General population - Oral; Long term systemic effects: 1.52 mg/kg/day
	General population - Oral; Short term systemic effects: 11.4 mg/kg/day
<b>PNEC</b>	STP; 100 mg/l

#### (+)-Tartaric acid (CAS: 87-69-4)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 5.2 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 2.9 mg/kg/day
	General population - Inhalation; Long term systemic effects: 1.3 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 1.5 mg/kg/day
	General population - Oral; Long term systemic effects: 8.1 mg/kg/day

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<b>PNEC</b>	<p>Fresh water; 0.312 mg/l</p> <p>Fresh water, Intermittent release; 0.514 mg/l</p> <p>marine water; 0.312 mg/l</p> <p>STP; 10 mg/l</p> <p>Sediment (Freshwater); 1.141 mg/kg</p> <p>Sediment (Marinewater); 1.141 mg/kg</p> <p>Soil; 0.045 mg/kg</p>
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### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation. Harmful dust may be released during cutting or grinding process. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust. Observe any occupational exposure limits for the product or ingredients.
<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated. Personal protective equipment for eye and face protection should comply with European Standard EN166.
<b>Hand protection</b>	For prolonged or repeated use: Wear protective gloves. During cutting, grinding, sanding operations, wear protective gloves. Wear protective gloves when carrying or handling insulation boards.
<b>Hygiene measures</b>	Good personal hygiene procedures should be implemented. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Harmful dust may be released during cutting or grinding process. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a suitable dust mask. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.
<b>Environmental exposure controls</b>	Avoid generation and spreading of dust.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Flat sheet tiles in different lengths.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	No information available.
<b>pH</b>	Not relevant.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not relevant.
<b>Flash point</b>	Not relevant.
<b>Evaporation rate</b>	Not relevant.
<b>Evaporation factor</b>	Not relevant.
<b>Flammability (solid, gas)</b>	Not determined.

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<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	Not relevant.
<b>Vapour density</b>	Not relevant.
<b>Relative density</b>	Not determined.
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not relevant.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	No information required.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid generation and spreading of dust. Avoid exposure to high temperatures or direct sunlight. Keep away from heat, sparks and open flame.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Oxidising materials. Organic solvents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Hydrogen chloride (HCl). Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	Not regarded as a health hazard under current legislation.
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### Acute toxicity - oral



## Gyprex Bio

<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - dermal</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Skin corrosion/irritation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Serious eye damage/irritation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Respiratory sensitisation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Summary</b>	Not relevant. Solid.
<b><u>General information</u></b>	
<b>General information</b>	The product is considered to be a low hazard under normal conditions of use. No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known. Harmful dust may be released during cutting or grinding process. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort. Harmful dust may be released during cutting or grinding process.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Sharp edges and corners may cause cuts and abrasions.
<b>Eye contact</b>	Particles in the eyes may cause irritation and smarting.
<b>Route of exposure</b>	Dermal Inhalation Harmful dust may be released during cutting or grinding process.
<b>Target organs</b>	No specific target organs known.
<b><u>Toxicological information on ingredients.</u></b>	

## Gyprex Bio

### Calcium sulfate dihydrate

**Toxicological effects** The toxicity of this substance has been assessed during REACH registration. Not regarded as a health hazard under current legislation.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral, Rat

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >3.26 mg/l, 4 hours, Dust/Mist Rat

#### Skin corrosion/irritation

**Animal data** Dose: 0.5 g, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 100 mg, , Rabbit Not irritating.

#### Skin sensitisation

**Skin sensitisation** Buehler test - Guinea pig: Not sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative.

**Genotoxicity - in vivo** DNA damage and/or repair: Negative.

#### Carcinogenicity

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

#### Reproductive toxicity

**Summary** This substance has no evidence of toxicity to reproduction.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

**Aspiration hazard** Not relevant.

### **SECTION 12: Ecological information**

**Ecotoxicity** The product is not believed to present a hazard due to its physical nature. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

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

#### Ecological information on ingredients.

### Calcium sulfate dihydrate

**Toxicity** Not toxic at limit of water solubility.

## Gyprex Bio

### 4,5-Dichloro-2-octyl-2H-isothiazol-3-one

<b>Toxicity</b>	Very toxic to aquatic life with long lasting effects.
<b><u>Acute aquatic toxicity</u></b>	
<b>LE(C)<sub>50</sub></b>	0.001 < L(E)C <sub>50</sub> ≤ 0.01
<b>M factor (Acute)</b>	100
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 2.7 µg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 2.1 - 3.2 µg/l, Crassostrea virginica
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 24 hours: 1.6 µg/l, Navicula pelliculosa
<b><u>Chronic aquatic toxicity</u></b>	
<b>M factor (Chronic)</b>	100
<b>Chronic toxicity - fish early life stage</b>	NOEC, 35 days: 0.47 µg/l, Brachydanio rerio (Zebra Fish)
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 0.4 µg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** The product contains mainly inorganic substances which are not biodegradable.

### Ecological information on ingredients.

#### Calcium sulfate dihydrate

<b>Biodegradation</b>	Substance is inorganic. Not relevant.
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### 4,5-Dichloro-2-octyl-2H-isothiazol-3-one

<b>Persistence and degradability</b>	No data available.
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### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	Not determined.

### Ecological information on ingredients.

#### Calcium sulfate dihydrate

<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely.
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### 4,5-Dichloro-2-octyl-2H-isothiazol-3-one

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
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### 12.4. Mobility in soil

<b>Mobility</b>	The product is insoluble in water.
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### Ecological information on ingredients.

## Gyprex Bio

### Calcium sulfate dihydrate

**Mobility** The product has poor water-solubility.

### 4,5-Dichloro-2-octyl-2H-isothiazol-3-one

**Mobility** No data available.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

### Calcium sulfate dihydrate

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 4,5-Dichloro-2-octyl-2H-isothiazol-3-one

**Results of PBT and vPvB assessment** No data available.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

**Disposal methods** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

### **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

## Gyprex Bio

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

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

#### National regulations

Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.

#### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

#### Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
IATA: International Air Transport Association.  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
CAS: Chemical Abstracts Service.  
ATE: Acute Toxicity Estimate.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.

#### General information

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only. As supplied, this product does not meet the requirements for labelling.

## Gyprex Bio

<b>Training advice</b>	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
<b>Document code</b>	BG-SDS-404
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	23/01/2020
<b>Revision</b>	01
<b>SDS number</b>	9161
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



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**British Gypsum**  
Head Office, East Leake,  
Loughborough,  
Leicestershire, LE12 6HX  
T: 0115 945 1000

**[british-gypsum.com](http://british-gypsum.com)**