

# **Gyproc®** HandiBoard

SAFETY DATA SHEET







# SAFETY DATA SHEET Gyproc HandiBoard

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 Gyproc HandiBoard

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

**Identified uses** Internal 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

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.

Not Classified

2.2. Label elements

**Environmental hazards** 

Hazard statements NC Not Classified

Labelling notes As supplied, this product does not meet the requirements for labelling.

#### 2.3. Other hazards

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

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#### **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Calcium sulfate dihydrate 50 - 100%

CAS number: 7778-18-9 EC number: 231-900-3 REACH registration number: 01-

2119444918-26-XXXX

Substance with National workplace exposure limits.

Classification
Not Classified

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

Composition comments Calcium sulfate dihydrate encased in paper liners. Natural plasterboard constituents may

include minor amounts of quartz. Small quantities of chopped glass fibre, microsilica and

vermiculite may be added, with starch, foam and dispersants.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical

personnel.

**Inhalation** 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.

**Ingestion** 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

 $medical\ attention\ promptly.$ 

Skin contact Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or

persist after washing.

**Eye contact** 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.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information 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.

Inhalation 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.

Ingestion No specific symptoms known. May cause discomfort. Harmful dust may be released during

cutting or grinding process.

**Skin contact** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Sharp

edges and corners may cause cuts and abrasions.

**Eye contact** Particles in the eyes may cause irritation and smarting.

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

# Gyproc HandiBoard

Notes for the doctor Treat symptomatically.

Specific treatments No special treatment required.

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

#### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-

extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

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

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Oxides of sulphur. Carbon dioxide (CO2). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

Protective actions during

firefighting

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.

Special protective equipment

for firefighters

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

Personal precautions

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.

#### 6.2. Environmental precautions

**Environmental precautions** 

The product is not expected to be hazardous to the environment. Insoluble in water. Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment. Collect spillage. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

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.

#### 6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

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Usage precautions 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. 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.

Advice on general occupational hygiene 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

Store away from incompatible materials (see Section 10). Store in accordance with local Storage precautions

> 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.

Storage class Unspecified storage.

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/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

#### Quartz (SiO2)

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³ respirable dust

[Listed as: Silica, respirable crystalline]

#### Quartz (SiO2)

Long-term exposure limit (8-hour TWA): WEL 6 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 2.4 mg/m³ respirable dust

[Listed as: Silica, amorphous]

#### Silicon dioxide

Long-term exposure limit (8-hour TWA): WEL 2.4 mg/m³ respirable dust Long-term exposure limit (8-hour TWA): WEL 6 mg/m³ inhalable dust WEL = Workplace Exposure Limit.

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

**DNEL** Workers - Inhalation; Long term systemic effects: 21.17 mg/m³

Workers - Inhalation; Short term systemic effects: 5082 mg/m<sup>3</sup>

General population - Inhalation; Long term systemic effects: 5.29 mg/m3 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

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PNEC STP; 100 mg/l

8.2. Exposure controls

Appropriate engineering

controls

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.

Eye/face protection 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.

Hand protection For prolonged or repeated use: Wear protective gloves. During cutting, grinding or sanding

operations, wear protective gloves if handling sharp or rough edges.

**Hygiene measures**Good personal hygiene procedures should be implemented. When using do not eat, drink or

smoke.

Respiratory protection 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.

Environmental exposure controls

Avoid generation and spreading of dust.

SECTION 9: Physical and chemical properties

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

Appearance Flat sheet boards in different widths and thicknesses, with a square edge.

Colour Grey/Brown.

Odour Odourless.

Odour threshold No information available.

**pH** Not relevant.

**Melting point** Not determined.

Initial boiling point and range Not relevant.

Flash point Not relevant.

**Evaporation rate** Not relevant.

**Evaporation factor** Not relevant.

Flammability (solid, gas) Not determined.

Upper/lower flammability or

explosive limits

Not determined.

Other flammability Not determined.

Vapour pressure Not relevant.

Vapour density Not relevant.

Relative density Not determined.

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Not determined. **Bulk density** Solubility(ies) Not determined. Partition coefficient Not determined. **Auto-ignition temperature** Not determined. Not determined. **Decomposition Temperature** 

Not relevant. Viscosity

Not considered to be explosive. **Explosive properties** 

Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information No information required.

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the

prescribed storage conditions.

# 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

products

No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid generation and spreading of dust. Avoid exposure to high temperatures or direct

sunlight.

10.5. Incompatible materials

Materials to avoid None known.

### 10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

**Toxicological effects** Not regarded as a health hazard under current legislation.

Acute toxicity - oral

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

Acute toxicity - dermal

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

Acute toxicity - inhalation

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

Skin corrosion/irritation

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

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Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Summary Not relevant. Solid.

General information 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.

Inhalation 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.

Ingestion No specific symptoms known. May cause discomfort. Harmful dust may be released during

cutting or grinding process.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Sharp

edges and corners may cause cuts and abrasions.

**Eye contact** Particles in the eyes may cause irritation and smarting.

Route of exposure Dermal Inhalation Harmful dust may be released during cutting or grinding process.

**Target organs** No specific target organs known.

Toxicological information on ingredients.

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

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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

Dose: 100 mg, , Rabbit Not irritating.

damage/irritation

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** Not regarded as dangerous for the environment. However, large or frequent spills may have

hazardous effects on the environment.

12.1. Toxicity

**Toxicity** The product is not believed to present a hazard due to its physical nature.

Acute aquatic toxicity

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

Chronic aquatic toxicity

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

Ecological information on ingredients.

Calcium sulfate dihydrate

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

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

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**Biodegradation** Substance is inorganic.

Not relevant.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Ecological information on ingredients.

Calcium sulfate dihydrate

Bioaccumulative potential Bioaccumulation is unlikely.

12.4. Mobility in soil

**Mobility** The product is insoluble in water.

Ecological information on ingredients.

Calcium sulfate dihydrate

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

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

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

assessment

Ecological information on ingredients.

Calcium sulfate dihydrate

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

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. Incineration or landfill should only be considered when recycling is not feasible. 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.

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#### 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.

#### 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).

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### **SECTION 16: Other information**

# **Gyproc HandiBoard**

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

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.

LC₅o: 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.

Training advice Read and follow manufacturer's recommendations. Only trained personnel should use this

material.

Document code BG-SDS-008

**Revision comments** This is the first issue.

Revision date 09/12/2019

Revision 01

SDS number 9011

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