SAFETY DATA SHEET
Rigitone Ceiling Tiles


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

1.1. Product identifier
Product name: Rigitone Ceiling Tiles

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Perforated ceiling systems with fire resistance and acoustic properties.
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
Labelling notes: As supplied, this product does not meet the requirements for labelling.

2.3. Other hazards
Rigitone Ceiling Tiles

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Percentage Range</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium sulfate dihydrate</td>
<td>50 - 100%</td>
<td>7778-18-9</td>
<td>231-900-3</td>
<td>01-2119444918-26-XXXX</td>
</tr>
</tbody>
</table>

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 constituents may include minor amounts of quartz.
- The tiles may be perforated or textured and the face decorated with paints and/or marble.
- Rigitone boards include an acoustic tissue laminated to the back face.

### 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.
Rigitone Ceiling Tiles

Eye contact

Particles in the eyes may cause irritation and smarting.

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

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
Rigtone Ceiling Tiles

7.1. Precautions for safe handling

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

Storage precautions
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.

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]
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/m³
General population - Inhalation; Long term systemic effects: 5.29 mg/m³
General population - Inhalation; Short term systemic effects: 3811 mg/m³
General population - Oral; Long term systemic effects: 1.52 mg/kg/day
General population - Oral; Short term systemic effects: 11.4 mg/kg/day

PNEC
STP; 100 mg/l

8.2. Exposure controls
Rigitone Ceiling Tiles

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Boards with square edges.</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey/Brown.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 9 (suspension)</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Other flammability</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Slightly soluble in water. ~ 2 g/l</td>
</tr>
</tbody>
</table>
Rigitone Ceiling Tiles

Partition coefficient Not determined.
Auto-ignition temperature Not determined.
Decomposition Temperature Not determined.
Viscosity Not relevant.
Explosive properties Not considered to be explosive.
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
Reactivity There are no known reactivity hazards associated with this product.

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 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. Protect from moisture.

10.5. Incompatible materials
Materials to avoid None known.

10.6. Hazardous decomposition products
Hazardous decomposition products 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
Summary Based on available data the classification criteria are not met.
Acute toxicity - inhalation
Summary Based on available data the classification criteria are not met.
Skin corrosion/irritation
Summary Based on available data the classification criteria are not met.
Serious eye damage/irritation
Summary Based on available data the classification criteria are not met.
Rigitone Ceiling Tiles

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 LD₅₀)
LD₅₀ >2000 mg/kg, Oral, Rat

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
LC₅₀ >3.26 mg/l, 4 hours, Dust/Mist Rat
Rigitone Ceiling Tiles

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
Dose: 100 mg, , Rabbit Not irritating.

Skin sensitisation
Buehler test - Guinea pig: Not sensitising.

Germ cell mutagenicity
Bacterial reverse mutation test: Negative.

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

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

Reproductive toxicity
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
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
Rigitone Ceiling Tiles

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 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.

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.
Rigitone Ceiling Tiles

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
Not applicable.

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

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information
Rigitone Ceiling Tiles

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.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC₅₀: Lethal Concentration to 50% of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 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-401

Revision comments
This is the first issue.

Revision date
22/01/2020

Revision
01

SDS number
8966

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