Health & Safety

1. Identification of the substances / preparation and company

1.1 Product identifier: Gyproc ThermaLine PIR

1.2 Relevant identified uses:

Recommended uses: Gyproc thermal laminates are used as thermal or sound insulating internal linings in buildings.

1.3 Details of the supplier of the safety data sheet:

Supplier: British Gypsum
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone: 0115 945 6123 (+44 115 945 6123)
Email: bgtechnical.enquiries@bpb.com

This information reflects typical values and is not a product specification.

1.4 Emergency telephone number:

0115 945 6123 (+44 115 945 6123)
Opening hours: 8:30am - 5:00pm Monday - Friday (GMT)

NB - Language of the phone service is English.

2. Hazards identification

2.1 Classification of the article:

Dust from sawing or sanding may irritate the respiratory system, skin and eyes.

The plasterboard component of this product poses no hazard in normal use or in fire.

In case of a fire the Polyisocyanurate (PIR) causes an intense heat and dense smoke which should not be inhaled.

3. Composition / information on ingredients

General composition: Calcium sulphate dihydrate encased in paper liners with a thermal laminate bonded to the back. Natural plasterboard constituents may include clay and minor amounts of quartz. Small quantities of chopped glass fibre, microsilica and vermiculite may be added, with starch, foam and dispersants.

Gyproc ThermaLine PIR has a rigid polyisocyanurate foam laminate, backed on both sides with a multi-layer vapour control layer.

4. First aid measures

4.1 Description of first aid measures:

Eye contact
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

Skin contact
P264 - Wash hands thoroughly after handling.

Ingestion
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Inhalation
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

General
Get medical attention if any symptoms persist.
5. Fire fighting measures

5.1 Extinguishing media:
Suitable extinguishing media – water or dry powder.

5.2 Special hazards arising from the article:
In case of a fire, decomposition of PIR, products like soot, carbon monoxide, carbon dioxide, gaseous hydrocarbons and products containing nitrogen may be generated (note: small quantities of hydrogen cyanide (HCN) may be released and is often immediately destroyed at its formation). If it is necessary to summon the Fire Services for assistance please advise them that Polyisocyanurate (PIR) is involved and self contained breathing apparatus with full face mask and breathing apparatus must be worn. Some packaging materials may burn.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Not applicable.

7. Handling and storage

7.1 Precautions for safe handling:
Use - Minimise dust generation when sawing or sanding in poorly ventilated places. Avoid eye contact - see Section 8 for recommended personal protective equipment, and Section 3 for hazards identification.

Plasterboards will not support body weight in between rafters, joints or frame members.

Fixers must work from an independent support system.

Manual handling - Sheets of plasterboard can be unwieldy, use an appropriate lifting technique. The weight of each sheet can vary between products. For manual handling purposes assume the following:

<table>
<thead>
<tr>
<th>Gyproc ThermaLine PIR weights</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Board thickness mm</strong></td>
</tr>
<tr>
<td>-------------------------------</td>
</tr>
<tr>
<td>38</td>
</tr>
<tr>
<td>53</td>
</tr>
<tr>
<td>63</td>
</tr>
<tr>
<td>78</td>
</tr>
<tr>
<td>93</td>
</tr>
</tbody>
</table>

Mechanical handling - The dimensions of the pallet vary depending on the product size. To avoid potentially overloading a lift truck, it is important that any effect on load centres is considered. The nominal weight of each palletised load is given within the weights table in this section of this document.

7.2 Conditions for safe storage, including any incompatibilities:

Storage - Store on pallets supplied in dry conditions. To maintain stability, place pallets on firm level ground, and ensure that stacks are both level and vertical.

Do not expose the PIR to fire or any heat/ignition source.

Do not store PIR the same room as inflammable materials.

Proper ventilation must be provided in the PIR storage room.

**NB** - When working with individual boards, only work from a single pallet, not a stack.

Pallet stacking heights

The maximum stack heights on level concrete on level concrete floors and vertical stacks are as follows:

<table>
<thead>
<tr>
<th>Board width mm</th>
<th>Board length mm</th>
<th>Pallet stack height packs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td>2400</td>
<td>6</td>
</tr>
</tbody>
</table>

8. Exposure control / personal protection

Avoid contact or keep PIR away from any heat or ignition source. In case of intense production activity it is advised that a proper dust exhaust system be installed.

8.1 Control parameters:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Total Inhalable</th>
<th>Respirable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaster</td>
<td>10mg/m³ 8hr TWA</td>
<td>4mg/m³ 8hr TWA</td>
</tr>
<tr>
<td>Quartz (silica)</td>
<td>-</td>
<td>0.1mg/m³ 8hr TWA</td>
</tr>
<tr>
<td>Man Made Mineral Fibres (MMMF)</td>
<td>5mg/m³ 8hr TWA (gravimetric method)</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2 Exposure controls:

**Personal protection**

**Respiratory** P284

Use only in well-ventilated areas.

Wear eye / face protection.

Face masks to EN 149 FFP2.

**Skin** P303

Wear suitable protective clothing.

**Eye** P305 / P313

Wear eye / face protection.

Eye protection to BS EN 166.
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9. Physical and chemical properties
PIR ignition temperature: 300°C.

9.1 Information on basic physical and chemical properties:
Appearance: Flat sheet boards in different widths and thicknesses, with a square or tapered edge.

10. Stability and reactivity
10.1 Reactivity:
No special physical conditions need to be avoided. No specific restrictions regarding incompatible materials.
Avoid: Heat, flames and sparks near PIR.

11. Toxicological information
11.1 Information on toxicological effects:
No known toxicological effects.

12. Ecological information
Stable product with no known adverse environmental effects.

13. Disposal consideration
13.1 Waste treatment methods:
Gypsum, the main raw material for plasterboard, is a sulphate but is classified as non-hazardous. Waste from gypsum plasterboard products is fully recyclable.

For more information contact the British Gypsum Plasterboard Recycling Service Team on 0800 633 5040 or visit the British Gypsum website at british-gypsum.com

14. Transport information
Not classified as hazardous for transportation.

15. Regulatory information
This product is not classified as hazardous.

16. Other information
Control of Substances Hazardous to Health Regulations
The Manual Handling Operations Regulations
HSE Guidance Note EH40: Workplace Exposure Limits
Gypsum Wastes – Environment Agency Information Sheet
The British Gypsum White Book
The British Gypsum Site Book
The British Gypsum website: british-gypsum.com

Note to user: This Safety Data Sheet does not constitute a workplace risk assessment for COSHH.

There are a number of situations where the approach to manual handling of British Gypsum products should be considered. For further guidance, please refer to the Manual Handling Section of the Site Book or the Manual Handling Guide, available to download from british-gypsum.com.

Date of previous version: May 2017.

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