

# Safety Data Sheet

**HYTHERM ADH / HYTHERM BF / HYTHERM FM**  
PIR Insulation

These products are exempt from the requirements of Article 57 and 59(1) of REACH regulation (EC) No 1907/2006. The information below follows the SDS format as described in Annex 2 of the Regulation.

## Section 1: Identification

### 1.1 Identification of the substance or preparation

HYTHERM ADH  
HYTHERM BF  
HYTHERM FM

### 1.2 Use of the substance or preparation

Insulation

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

**Supplier:**

Axter Ltd, Harbour Landing, Fox's Marina,  
The Strand, Wherstead, Ipswich IP2 8NJ  
Tel: +44 (0) 1473 724056  
Email: [info@axterltd.co.uk](mailto:info@axterltd.co.uk)  
Website: [www.axter.co.uk](http://www.axter.co.uk)

- 1.4 Emergency telephone:** Axter Ltd - +44 (0) 1473 724056  
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).  
In the event of a medical enquiry involving this product, members of the public should contact:  
NHS 111  
a doctor or  
a local hospital accident and emergency department.  
The NPIS (National Poisons Information Service) helpline is available for enquiries from medical professionals only.  
Tel: 0344 892 0111

## Section 2: Hazard Identification

Not applicable

## Section 3: Composition / Information about the components

- 3.1 Core** Rigid thermoset polyurethane (PIR) insulation as defined in EN 13165
- 3.1 Facings** HYTHERM FM – multi-composite foil/paper  
HYTHERM ADH – mineral coated glass fibre  
HYTHERM BF – bitumen coated glass fibre

## Section 4: First aid

- 4.1 Inhalation** Dust is non-hazardous. Remove the person to fresh air.
- 4.2 Skin** Non sensitising. When facings containing glass fibres are handled, skin irritation may occur. Wash carefully using soap and water or proprietary cleanser to remove.
- 4.3 Eyes** Dust particles should be removed by flushing with clean water
- 4.4 Ingestion** No information available.
- 4.5 Other** If any discomfort persists, seek medical attention.

## Section 5: Fire-fighting procedures

It is prudent to take precautions against ignition, fire spread and smoke hazard.

- 5.1 Suitable extinguishing means**  
Waterspray (fog), foam, CO<sub>2</sub> or dry chemical
- 5.2 Extinguishing means not recommended**  
Not applicable. Firefighters should use self-contained breathing apparatus and saturate burning foam with water from a spray nozzle. Dust is classified as weakly explosive (St.Class 1).

## Section 6: Procedures to adopt in case of accidental dispersal

Not applicable.

## Section 7: Handling and storage

Store in original packaging, off the ground, on a clean, flat surface and under cover in a location free from any ignition hazard such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat.

Ensure stability of stack and provide adequate aisle space for access between stacks.

The polythene wrapping is not considered adequate protection for outdoor storage.

It is recommended that suitable PPE is used when handling and cutting materials. To reduce dust, it is recommended to use a knife rather than a saw when cutting boards.

The weight of boards varies between products. When lifting heavier boards additional lifting equipment may be required.

## Section 8: Control of exposure / personal protection

Inhalation	PIR dust is non-hazardous. Dust from timber, plasterboard and soffit board facings may cause respiratory irritation. As with all cutting procedures it is recommended that a dust mask be worn. Where dust is generated through mechanical cutting in confined spaces, it is recommended that extraction be used.
Hands	Appropriate gloves should be worn when handling products.
Eyes	Eye protection is recommended during mechanical cutting. When installing a product with reflective foil facings in bright sunlight, it is advisable to wear UV protective sunglasses.
Skin	Non-sensitising. Appropriate gloves should be worn when handling products. When installing a product with reflective foil facings in bright sunlight, it is advisable to consider skin protection from UV.
Other	The products are non load-bearing. Access and work should not be carried out on unsupported boards. The facings used on some Hytherm insulation products can be slippery underfoot when wet.

## Section 9: Physical and Chemical Properties

Appearance	Yellow foam with composite foil, embossed aluminium foil, bitumen coated glass fibre, coated glass fibre, WBP exterior grade OSB/plywood, interior grade chipboard, gypsum plasterboard, calcium silicate building board, magnesium silicate building board, glass reinforced gypsum building board.
Odour	Negligible
pH	Neutral
Melting point	Not applicable
Flash point	Not applicable
Freezing point	Not applicable
Insulation Density	Typically 31kg/m <sup>3</sup>
Solubility in Water	Insoluble
Solubility in Organics	Some liquids might cause swelling
Other data	None

### Section 10: Stability and Reactivity

Stable and un-reactive during normal use.

### Section 11: Toxicological Information

No information available currently.

### Section 12: Ecological Information

The products are inert and stable in water and soil.

### Section 13: Disposal considerations

Waste insulation is non-hazardous.

Product dust created in the installation process is regarded as nuisance dust only because of its inert nature.

Take usual safety precautions with polythene bags, wrapping and packaging.

Clean, undamaged product may be re-used, insulation core waste is fully recyclable.

Waste product should be disposed of in accordance with Reduce, Re-Use, Recycle.

Waste from plasterboard and building boards should be treated as construction waste and disposed of in accordance with local or national regulations. Consult Local Authority.

### Section 14: Transport information

Read this section in conjunction with Section 7.

Ensure security of load and where necessary sheeting / roping should be used.

It is recommended that mechanical lifting equipment is used when moving bulk quantities.

### Section 15: Statutory Information

Not applicable.

## Section 16: Other Information

### Important notice:

The information given in this safety data sheet is based on our current knowledge and experience and is not a guarantee of the properties of the product. The information should not be taken as guarantee of specific performance and users should make their own assessment and make all relevant personnel aware. It is the responsibility of the user of this product to comply with regulations and standards in force. The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application.

**Restrictions:** This information refers specifically to the products described and cannot be used for other products.

The data contained in this SDS has been supplied as required by the EC REACH Regulation No. 1907/2006 and the EC Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company who are capable of acting on the information.

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