

# Safety Data Sheet

## HYTHERM LI

Extruded polystyrene foam (XPS) with render facing (50mm + 6mm)

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

#### 1.1 Product identifier

**Product name:** HYTHERM LI (RENDERED XPS 50+6mm) Extruded polystyrene insulant with 6mm exposed facing

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

Thermal 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: Hazards identification

Not applicable.

## Section 3: Composition/information on ingredients

- |                                |  |
|--------------------------------|--|
| <b>3.1 Core</b>                | Extruded polystyrene (XPS as defined in EN 13164) insulation |
| <b>3.2 Alternative facings</b> | None   |

## Section 4: First aid measures

- |                          |  |
|--------------------------|--|
| <b>4.1 Inhalation</b>    | Dust is non-hazardous. Remove the person to fresh air.         |
| <b>Skin contact</b>      | Non-sensitising.   |
| <b>Contact with eyes</b> | Dust particles should be removed by flushing with clean water. |
| <b>Ingestion</b>         | No information available.                                      |
| <b>Other</b>             | Seek medical attention if discomfort persists.                 |

## Section 5: Firefighting measures

- 5.1** It is prudent to take precaution against ignition, fire spread and smoke hazard.
- Suitable methods of extinction**  
Water fog or fine spray, foam, CO<sup>2</sup> or dry chemical.
- Unsuitable methods of extinction**  
N/A
- 5.3 Advice for firefighters**  
**Fire Fighting Procedures:**  
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: Accidental release measures

Not applicable.

## Section 7: Handling and storage

When the product is processed mechanically traces of propellant can be released. Monomers and other degradation products can be given off if the material is overheated; Avoid inhalation of vapour. Processing machines must be fitted with local exhaust ventilation.

Store in original packing 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. Traces of ethanol may be released from material that is freshly produced.

Keep product protected from the elements. Ensure stability of stack and provide adequate aisle space for access between stacks.

## Section 8: Exposure controls/personal protection

<b>8.1 Inhalation</b>	Dust is non-hazardous. As with all cutting procedures it is recommended that a disposable dust mask be worn. Where dust is generated through mechanical cutting in confined spaces, it is recommended that extraction be used.
<b>Hands</b>	It is recommended that gloves be worn when handling the products.
<b>Eyes</b>	Eye protection is recommended during mechanical cutting
<b>Skin</b>	Non-sensitising. It is recommended to wear gloves when handling the products
<b>Other</b>	The products are non-load bearing. Access and work should not be carried out on unsupported boards.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Coloured foam
<b>Odour</b>	Negligible
<b>Softening point</b>	> 100°C (decomposes at 135°C)
<b>Ignition point</b>	Approximately 370°C
<b>Insulation density</b>	30-45 kg/m <sup>3</sup>
<b>Solubility in water</b>	Insoluble
<b>Solubility in other solvents</b>	Soluble in aromatic hydrocarbons and organic solvents

### 9.2 Other information

None

## Section 10: Stability and reactivity

Products start to decompose at 135 °C (approx.)

## Section 11: Toxicological information

No information available.

## 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.

Observe 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 the Waste Hierarchy – Reduce, Re-Use, Recycle.

## 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: Regulatory information

N/A

## Section 16: Other information

The information contained here is offered in good faith and is based on our current knowledge.

We thereby withhold the right to update and amend this document as necessary.

The information should not be taken as guarantee of specific performance and users should make their own assessment and make all applicable personnel aware accordingly.

The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application.

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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