

MATERIAL SAFETY DATA SHEET



1. Identification of the substance/preparation and of the company/undertaking.

1.1 Identification

Axter XPS

1.2 Company

Axter Ltd

West Road, Ransomes Europark

Ipswich

IP3 9SX

2. Composition/information on ingredients.

Facings: None

Core: Extruded polystyrene (XPS)

3. Hazards identification.

Not classified as a hazardous material when handling or under normal use.

4. First-aid measures.

Inhalation: Remove the person to fresh air.

Skin: In the event that irritation occurs wash carefully using soap or a proprietary cleanser to remove.

Eyes: Dust particles should be removed by flushing with clean water.

Ingestion: Seek medical attention if discomfort persists.

5. Fire-fighting measures.

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

In fire situations beware of low visibility due to soot and avoid smoke inhalation. Smoke can contain carbon black, carbon dioxide (CO₂), carbon monoxide, styrene and other degradation products. If smoke or fumes are inhaled immediately seek fresh air and medical assistance.

Provide fire-extinguishing equipment at both storage and installation sites:

Suitable media - Water, CO₂ and Dry powder.

Un-suitable media - None.

Fire fighters should use self contained breathing apparatus.

Further information - Fire debris must be disposed of in accordance with local regulations.

6. Accidental release measures.

Not applicable

7. Handling and storage.

(i) 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.

(ii) Store in original packing in a location free from any ignition hazards, 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.

(iii) Keep product protected from the weather and do not stack more than 2.5 metres in height. Ensure stability of stack and provide adequate aisle space for access between stacks.

8. Exposure controls/personal protection.

Inhalation: Dust is not normally a hazard unless mechanical cutting is used. Where dust is generated in confined spaces it is recommended that extraction be used. As with all cutting procedures it is recommended that eye protection and disposable dust mask be worn. It is recommended when non-mechanical cutting is carried out that the product is cut with a trimming knife to minimise the generation of dust.

Hands: It is recommended that gloves be worn when handling the product.

Eyes: As with all cutting procedures it is recommended that eye protection be worn.

Other: The product is non-load bearing in spanning applications. Access and work should not be carried out on un-supported boards.

9. Physical and chemical properties.

Appearance: Cream

Odour: Odourless

Softening point: >100°C (decomposes at 135°C)

Ignition point: Approx 370°C

Flammability: Low flammability (DIN 4102) - B1 rating

Density: 35 kg/m³

Solubility in water: Insoluble

Solubility in other solvents: Soluble in aromatic hydrocarbons and organic solvents

Other data: None

10. Stability and reactivity.

Product starts to decompose at 135°C (approx)

11. Toxicological information.

No information available at this time.

12. Ecological information.

Insoluble in water. Test cannot be carried out.

13. Disposal considerations.

Waste insulation is non-hazardous and should be disposed of regularly in a designated location in accordance with the requirements of Local Authorities and the Environmental Protection Act 1991. It is important that the accumulation of waste insulation is avoided to prevent wind dispersal.

Ensure polythene wrapping/packaging is kept away from children. Observe usual safety precautions with polythene bags.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom)

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 provided and used when moving bulk quantities of product in order to avoid serious physical injury.

15. Regulatory information.

None currently known to apply.

16. Other information.

The information in this data-sheet 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 is intended to describe the product from a user safety viewpoint in accordance with the European Union Commission Directive 2001/58/EC.

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.

All chemical products can affect persons with a sensitive or allergic disposition, persons with such sensitivity should seek medical advice before handling the product.

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

Users should contact the Kingspan Insulation technical services department to check that the information given is current and that new applicable safety legislation has not been introduced since the last update.

Axter Ltd

West Road. Ransomes Europark, Ipswich, IP3 9SX
Tel 01473 724056, fax 01473 723263, email sales@axterltd.co.uk
www.axter.co.uk