



Material Safety Data Sheet (MSDS)

EXPANDED POLYSTYRENE MOULDED

BLOCK IDENTIFICATION:

Typically, these expanded polystyrene blocks are moulded to a standard size of 3700 x 1220 x 820mm, 2720x1220x820 and 2480x1220x82mm, range in weight from approximately 35kg to 130kg and are typically for use as thermal insulation for foundations, construction, packaging or are cut into complex and customized shapes.

HAZARD IDENTIFICATION:

This product is not classified as a hazardous substance. Although it is considered non-hazardous, consideration should be given to a freshly moulded (or unconditioned) block that may continue to emit traces of pentane during storage for a short time until conditioned or dried.

COMPOSITION & INFORMATION ON INGREDIENTS:

Component	Concentration
Polystyrene	92-95%
Pentane	4-7%

FIRST AID MEASURES:

Skin Contact: Unlikely to be harmful to the skin. If irritation does occur, wash with soap and

Water: If irritation persists, seek medical advice.

Eye Contact:

Unlikely to be harmful to the eyes. If irritation occurs from dust or fumes, rinse thoroughly with water for at least fifteen minutes. If irritation persists, seek medical advice.

Ingestion:

Unlikely to present a significant hazard, though if ingestion does occur it may act as an obstruction. If irritation and discomfort are present, seek medical advice.

Inhalation:

Unlikely to cause harm though if a person is affected from dust or fumes from cutting, move the effected person/s to fresh air and rest until recovered. Seek medical advice if there is difficulty breathing or if discomfort persists.

FIREFIGHTING MEASURES:

Suitable Extinguishing Equipment: Water, Foam, Dry Chemical, & Carbon Dioxide.

The expanded polystyrene is a thermoplastic material that may melt and drip when exposed to an independently sustained and ignited fuel source. As this product contains a fire-retardant additive, it is unlikely to remain in a state of combustion without an independent fuel source and will selfextinguish once the fuel source has been removed. In the unlikely occurrence of sustained combustion, Fire Fighters and other's who may be exposed to any such fumes or combustion, shouldbe equipped with selfcontained breathing apparatus. According to CSIRO information, the toxicity of fumes released is similar to that of burning timber.

ACCIDENTAL RELEASE MEASURES

Emergency procedures: Normal practise of fire safety and housekeeping should be observed, including.

Prohibit open flames or potential flame sources in product storage areas.

Protect product from hot work, such as welding, by a productive fire barrier.

During such work, have a suitable fire extinguisher handy.

Dispose of waste product promptly as good housekeeping practise to prevent access to drains and waterways.

HANDLING & STORAGE

Although this product contains a fire retardant, it is still recommended that adequate protection from ignition sources be taken. The product will only continue to burn if there is an independent fuel source present.

Handling:

Expanded Polystyrene flame-retardant products are not classified as Dangerous Goods for transport, storage, or handling. Establish good housekeeping practises to prevent build-up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact.

Storage:

Store in a wellventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Take precautions against static electricity discharges for unconditioned blocks and store away from oxidizing material.

DATE OF ISSUE . 28th oct 2025