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# HEALTH & SAFETY DATA SHEET

## Product Name

**WBS Expanded Polystyrene (E.P.S.) Insulation Boards**

## Composition

- Rigid polystyrene foam

## Hazardous Materials Classification

- EPS is non-toxic and non-irritant.
- Please take sensible precautions to avoid fire, ignition, fire spread and smoke hazard.
- In fire situations beware of low visibility and avoid smoke inhalation. Smoke contains carbon monoxide and other gases, which may be injurious to health if inhaled.
- Do not smoke when handling, installing or cutting this product.

## First Aid

- **Ingestion** – seek medical advice.

## Fire Fighting Measures

Take all reasonable precautions to avoid fire, ignition and spread of fire and smoke.

At storage and installation sites, suitable extinguishing media should be made available. Use foam, Co<sub>2</sub>, or water spray or BCF fire extinguishers. Fire fighters should use breathing apparatus.

If 'hot work' using open flame or other ignition hazard must be carried out near exposed EPS insulants, the insulant should be cut back from the vicinity and exposed insulant protected with heat resistant material. A fire watch is desirable. Do not weld or flame cut metal which is in contact with rigid EPS. Observe at all times regulations relating to fire, statutory and building regulations.

Some grades of EPS contain a fire retardant additive (FRA), which is designed to inhibit combustion from minor fire sources, and material must not be considered to be non-flammable.

## Accidental Release Measures

- There are no special recommendations or requirements to combat accidental release.

## Handling & Storage

- When handling this product due regard should be given to the risks outlined in 'Manual Handling Operations Regulations 1992'.
- The product should be stored in a dry area, preferably on pallets or similar off the ground. Direct exposure to sunlight for lengthy periods should be avoided.
- Do not stack more than 2.5 metres in height and ensure stacks are stable.

## Exposure Controls/Personal Protection

- Non required as the product is not dangerous and non irritant.

## Physical & Chemical Appearance

- Appearance – Particulate liquid/paste, usually coloured.
- Odour – Mild.
- PH – 9.2.
- Viscosity – At 20°C, thixotropic.
- Flash Point – Greater than 100 °C.
- Solubility – Miscible with water.

## Stability & Reactivity

The product is stable under most normal storage conditions.

## Disposal Considerations

Disposal of the product should be in accordance with any national or regional regulations that may be in effect. Dispose of polythene packing at authorised sites only away from access by children. Accumulation of waste insulation should be avoided to prevent wind dispersal. Otherwise product is chemically neutral, does not react with ground water nor produce gas when dumped and is considered safe for landfill.

## Transport Considerations

There is no special classification for conveyance required for this product. It should be duly noted however that packs of this product can be bulky when loading and unloading and the use of mechanical lift equipment should be considered.

**Regulatory Information**

Chemicals ('Hazard Information and Packaging for Supply') Regulations 2002.

**Other Information**

Other sources of information and current legislation relating to the product can be found in:

- Health & Safety at Work Act 1974.
- Control of Substances Hazardous to Health (COSHH) Regulations (4<sup>th</sup> Edition) 2002.
- HSE guidance note EH40 (Occupational Exposure Limits). EH40 is published annually and the most recent issue should be used.
- Manual Handling Operations Regulations 1992.
- St. John or Red Cross manuals on first aid measures.

***Recipients of WBS products must take responsibility for existing laws and regulations and at all times operate within Health and Safety guidance on the use of these products.***

***The information provided within this data sheet is deemed to be accurate to the best of our knowledge and given in good faith.***