

Issue Date: 07/12/2004  
 Last Revision Date: 22/09/2025  
 Superseded Date: 27/08/2018  
 Version Number: 05

# SAFETY DATA SHEET

Product Code: FOAMBX30L

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## SECTION 1 PRODUCT IDENTIFICATION

**Product Name:** Livingstone Foam Cooler Box

**Synonyms:** Expanded Polystyrene (EPS)  
 Expanded Polystyrene Foam  
 Extruded Polystyrene Foam  
 Rigid Cellular Polystyrene  
 Polystyrene Foam Insulation  
 Polystyrene Insulation Board

**Uses:** Thermal insulation, impact protection, packaging

## SECTION 2 HAZARD IDENTIFICATION

**Not hazardous according to the criteria of Worksafe Australia**

**Acute-Swallowed:** No significant effects expected

**Acute-Eye:** No significant effects expected. Dust from sanding or cutting may be a physical eye irritant. Hot wire cutting may generate fumes which are irritating to the eyes.

**Acute-Skin:** No significant effects expected

**Acute-Inhalation:** Dust from sanding or cutting of mouldings may cause irritation to the upper respiratory tract. Hot wire cutting may generate fumes which are irritating to the nose.

**Chronic:** None known.

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENTS

Chemical Name	CAS No.
Polystyrene	9003-53-6

### Notes

- (a) The major component is polystyrene.
- (b) When freshly made, or for a short period afterwards, product may contain trace amounts (>2% wt.) of the highly volatile blowing agent pentane (CAS No. 109-66-0), which dissipates rapidly in air. The product may also contain up to 1% wt. a non volatile halogenated hydrocarbon flame retardant additive dispersed throughout the polymer matrix.

## SECTION 4 FIRST AID MEASURES

**Swallowed:** Not likely.

**Eye:** If dust in eyes, flush immediately with water for at least 15 minutes. Retract eyelids often. If discomfort persists, seek medical advice.

**Skin:** Not Required

**Inhaled:** If inhaled dust/vapour causes discomfort, remove to fresh air. If discomfort persists, seek medical advice.

**First Aid Facilities:** No special facilities required.

**Advice to doctor** Treat symptomatically

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## SECTION 5 FIRE FIGHTING MEASURES

Combustible Solid

**Extinguishing Media:** Water, foam, carbon dioxide and dry chemical.

**Special Firefighting Procedures:** The product contains a combustible thermoplastic which will melt and drip when ignited and give off combustion products which are toxic (see "Hazardous Decomposition Products" section). Firefighters and others should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide are the major products of incomplete combustion. The toxic potency of combustion products is similar to wood. (CSIRO Technical Report TR94/1).

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**OZONE DEPLETING SUBSTANCES** This Product is free of any Ozone Depleting Substances in both manufacture and composition.  
 Smoking should be prohibited during unloading of the product and in storage areas as good safety practice.

## SECTION 7 HANDLING AND STORAGE

Combustible solid. Store in open or well ventilated areas (see "Engineering Controls"). Store away from sources of strong heat or flame.  
 Keep away from strong oxidizing agents.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE STANDARDS** Exposures to airborne dust and pentane are unlikely to exceed National Occupational Health and Safety Commission (Worksafe Australia) exposure standards when using this product.

**ENGINEERING CONTROLS** Special ventilation is not normally required when handling the product

**PERSONAL PROTECTION** Special protection is not normally required. If further processing involves sanding or sawing, safety glasses with side-shields and a dust mask.

**FLAMMABILITY** Expanded Polystyrene Products are combustible in the presence of a strong heat source or flame (see "Storage and Transport" section). Normal practices 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 suitable protective fire barrier. During such work have a suitable fire extinguisher handy
- Store product at job site in minimum quantity needed and protect from sources of flame or sparks, such as welders or grinders.
- Dispose of waste product promptly as good housekeeping practice.

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## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Light weight rigid cellular plastic box, white or coloured.

**Boiling Point:** Not applicable.

**Melting Point:** Not applicable.

**Vapour Pressure:** Not applicable.

**Specific Gravity:** < 1 (floats on water)

**Percent Volatiles:** See "Ingredients" section

**Flash Point:** Not applicable.

**Flammability Limits:** Not applicable.

**Solubility in Water:** Insoluble

**Form Supplied (20°C):** White Solid

**Maximum Service Temperature:** 80°C

### OTHER PROPERTIES

**Solubility in Organic Solvents:** Polystyrene is soluble in hydrocarbons (eg. petrol and mineral turpentine) and esters and ketones (eg. acrylic lacquer thinners); insoluble in alcohol (eg. methylated spirits)

## SECTION 10 STABILITY AND REACTIVITY

Polystyrene is stable when buried in soil but is slowly degraded by sunlight.

## SECTION 11 TOXICOLOGICAL INFORMATION

No data available.

## SECTION 12 ECOLOGICAL INFORMATION

No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

Non hazardous waste. If feasible recycle. Can be used as a soil conditioner. Dispose of waste in an approved landfill.

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### SECTION 14 TRANSPORT INFORMATION

#### ADG Code Classification

Un Number: None allocated  
Proper Shipping Name: None allocated  
Dangerous Goods Class: None allocated  
Subsidiary Risk: None allocated  
Packaging Group: None allocated  
Hazchem Code: None allocated  
Poisons Schedule No.: None allocated

Expanded Polystyrene Products are not classified as Dangerous Goods for transport, storage or handling.

### SECTION 15 REGULATORY INFORMATION

No data available.

### SECTION 16 OTHER INFORMATION

Reason for revision: To bring to date

## END OF SDS