

Issue Date: 07/12/2004
Last Revision Date: 05/07/2023
Superseded Date: 17/08/2021
Version Number: 06

SAFETY DATA SHEET

Product Code: FOAMBX4L

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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)
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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