

# Material Safety Data Sheet

## AU&S EXPANDED POLYSTYRENE

**Issue Date** July 2013**Status** Issued by AUS

Non Hazardous according to criteria of NOHSC

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### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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<b>Product Name</b>	AU&S EXPANDED POLYSTYRENE FOAM		
<b>Product Use</b>	Rigid polystyrene sheet / pipe and vessel thermal insulation / buoyancy foam product		
<b>Company</b>	Australian Urethane and Styrene Pty Limited		
<b>Address</b>	25 Garling Road Kings Park NSW 2148		
<b>Emergency Tel.</b>	1800 039 008	<b>International:</b>	+ 800 2436 2255
<b>Telephone / Telex Number</b>	Tel: (02) 9678 9833	Fax:	1800 887 666
<b>Other Names</b>	<b>Name</b>	<b>Manf. Code</b>	
	EPS	AU&S Expanded Polystyrene	
<b>Other Information</b>	General purpose flame retarded rigid polystyrene foam for use in cold / ambient temperature exposures as thermal insulation of tanks, process vessels equipment and pipe sections. For use in selected marine applications / boat building, flotation void space filling and general building components / construction applications.		

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### 2. HAZARDS IDENTIFICATION

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Non-Hazardous / Non-Dangerous Goods.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Ingredients</b>	<b>Name</b>	<b>CAS Number</b>	<b>Proportion</b>
	Polystyrene	9003-53-6	> 60% w/w
	Pentane	109-66-0	< 10 % w/w

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### 4. FIRST AID MEASURES

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<b>Inhalation</b>	Remove subject to fresh air. Remove dust contaminated clothing. Rinse face/mouth with warm water. Give water to drink to reduce breathing irritation. Keep at rest until fully recovered. If continued irritation / difficulty occurs when breathing seek medical attention.
<b>Ingestion</b>	Remove subject to fresh air. Remove dust contaminated clothing. Rinse face/mouth with warm water. Give water to drink to reduce breathing irritation. Keep at rest until fully recovered. If continued irritation / difficulty occurs when breathing seek medical attention.
<b>Skin</b>	Wash in flowing water or shower. Remove contaminated clothing and wash before reuse. Prolonged or repeated contact may cause skin irritation.
<b>Eye</b>	Irrigate with copious flowing water immediately and continuously for 15 minutes. If eye irritation persists, it is recommended to seek medical advice/attention.

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**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** No specific antidote. Supportive care.

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#### 5. FIRE FIGHTING MEASURES

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**Extinguishing Media** Foam, alcohol resistant foam, carbon dioxide and dry chemical.

**Specific Methods** Fire fighters to wear positive pressure self-contained breathing apparatus safety glasses, boots, gloves and coveralls.

**Specific Hazards** Do not breathe smoke from burning product.  
The product contains a combustible thermoplastic, which will melt and drip when ignited and give off combustion products that are toxic. Incomplete combustion may produce carbon monoxide and other toxic gases.

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#### 6. ACCIDENTAL RELEASE MEASURES

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Do not permit broken, particulate debris to contaminate waterways, sewers or drains. Avoid skin and eye contact. Wear gloves, safety glasses and coveralls when handling.

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#### 7. HANDLING AND STORAGE

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**Handling** When freshly made, or for a short period afterwards, the product may contain trace amounts of Pentane gas which dissipates rapidly in air.  
Avoid generating and inhaling dust from the product. Wear normal industrial safety clothing - impervious PVC gloves, Safety goggles or Face Mask and Coveralls.  
Good general ventilation should be sufficient for most conditions of use.  
A minimum requirement is to wear Safety glasses with side-shields and a dust mask (Type P1 filter) meeting the requirements of AS/NZS 1716 and used in accordance with AS/NZS 1715 is recommended as good industrial practice.  
Replace dust mask filters on a regular and planned basis.

**Storage** Store in a covered, well ventilated area. Store away from sources of heat.  
Prohibit open flames or potential flame sources in product storage areas.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure Limits** Use only in a well ventilated area to avoid exposure to dust/ particulate matter from the product.

**Personal Protective Equipment** Wear normal industrial Safety clothing - impervious PVC gloves, Safety goggles or Face Mask and Overalls. Replace dust mask filters on a regular and planned basis. Good general ventilation should be sufficient for most conditions of use. Always wash hands before smoking, eating, drinking or using toilet. Wash contaminated clothing and other protective equipment before re-using or storing.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance** white, rigid cellular solid

**Odour** None

**pH** Not applicable

**Vapour Pressure** Not applicable

**Vapour Density** Not applicable

**[Air = 1]**

**Melting Point** 80 °C

**Boiling Point** Not applicable

**Solubility in Water** Insoluble

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<b>Solubility in Organic Solvents</b>	Generally soluble
<b>Specific Gravity [Water = 1]</b>	0.011 – 0.030 g/ml (25°C)
<b>Flashpoint</b>	Not applicable
<b>Flammability</b>	Combustible. Air / dust mixtures are flammable.

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#### 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable
<b>Hazardous Polymerisation</b>	Will not occur.
<b>Materials to Avoid</b>	Reacts with organic solvents.

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#### 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No specific data available.
<b>Inhalation</b>	Dust from sanding or cutting of mouldings may cause mild irritation to the upper respiratory tract. Hot wire cutting may generate fumes which are irritating to the nose / throat.
<b>Ingestion</b>	No significant effects expected. Dust from sanding or cutting may be a physical irritant. Hot wire cutting may generate fumes, which are irritating to the eyes.
<b>Skin</b>	Prolonged or repeated contact may cause skin irritation.
<b>Eye</b>	Dust from sanding or cutting of mouldings may cause mild irritation. Hot wire cutting may generate fumes which are irritating to the eyes.
<b>Chronic Effects</b>	No specific data available.

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#### 12. ECOLOGICAL INFORMATION

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Avoid contaminating waterways with any dust / particulate residues.

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#### 13. DISPOSAL CONSIDERATIONS

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<b>Solid Residues</b>	Dispose of in solid waste.
<b>Containers</b>	Not applicable

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#### 14. TRANSPORT INFORMATION

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This product is not classified in the Australian Dangerous Goods Code either by reference to a specific substance name or a generic substance name or group.

<b>UN Number</b>	None allocated
<b>Proper Shipping Name</b>	Not applicable
<b>DG Class</b>	Not relevant
<b>Hazchem Code</b>	Not relevant
<b>Packaging Group</b>	Not relevant
<b>EPG Number</b>	Nil
<b>IERG Number</b>	Nil

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15. REGULATORY INFORMATION

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<b>Risk Phrase</b>	Nil
<b>Safety Phrase</b>	Nil
<b>Poisons Schedule</b>	None allocated
<b>Hazard Category</b>	Non hazardous

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16. OTHER INFORMATION

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**Issue Date**                July 2013

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END OF MSDS

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