

## Cross Linked Polyethylene Foam

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Supplier Name</b> THERMOTEC AUSTRALIA PTY LTD	<b>Web Site:</b> www.thermotec.com.au
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**Use(s):** General use as cushioning, flotation, impact protection, packaging

### 2. HAZARDS IDENTIFICATION

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA**

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

<b>UN No.</b>	None	<b>Dangerous class</b>	None
<b>Hazchem code</b>	None	<b>Poisons Schedule</b>	None
<b>Packaging group</b>	None		

**Manufacturing Codes** T65 Impact Foam 5mm, 10mm, & 15mm.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### Physical description/properties

**Appearance:**

Typically grey or charcoal, Low Density Cross Linked Polyethylene Foam material. Product is manufactured article.

**Properties**

**Melting/decomposition range:** 105 degrees Celsius (Softening) (Decomposition @ >300C)

**Vapour pressure** NA **Per cent volatile** nil

**SG Density** 30 kg/m<sup>3</sup> **Flash point** over 300 °C

**Chemical entity:** CAS No. Proportion

Polyethylene 9002-88-4 >95%

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### 4. FIRST AID MEASURES

<b>Swallowed</b>	If swallowed do not induce vomiting, seek medical advice
<b>Eye</b>	If product comes in contact with eyes wash affected area with cold water, irritation continues seek Medical advice.
<b>Skin</b>	In the event of abrasion or irritation of skin seek medical advice.
<b>Inhaled</b>	If fumes or combustion inhaled, remove from contaminated area and seek medical advice.
<b>Advice to Doctor</b>	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

#### Flammability

Material should be kept away from excessive heat sources and sources of ignition.  
Auto ignition temperature: >300C

#### Fire and Explosion

There is potential for fire or explosion. If is not fully degassed. Always check with manufacturers special instructions for fire and explosion hazards.

Must be kept away from any source of ignition until fully degassed. Contains blowing agent (propane).

Normal fire fighting procedures should be allowed for to avoid inhalation of smoke and gases.

**Extinguishing** Dry chemical, water, carbon dioxide.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Spillage/ Disposal</b>	Dispose of as landfill as required by local or state regulation. Recycling is possible contact manufacturer for recycling options.
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### 7. STORAGE AND HANDLING

#### Storage & transport

Store away from excessive heat, ignition sources and oxidizing agents

Material is classed as non-hazardous

#### Handling

When cutting, skiving, routing or grinding, cells are destroyed accelerating the release of

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any retained blowing agent. Therefore it is possible for explosive concentrations of the blowing agent to accumulate in localized areas. It is vital that there be adequate ventilation to enable blowing agent to dissipate

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<b>Exposure Stds</b>	No exposure limit allocated
<b>Biological Limits</b>	No Biological limit allocated
<b>Engineering Controls</b>	Must be stored in a well ventilated area. Refer to manufactures "Safety when using Thermotec Closed Cell Polyethylene Foam".
<b>PPE</b>	Not required any Personal Protective Equipment under normal conditions of use. Where an inhalation hazard exists, wear dust-proof goggles and a particulate respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Typically grey or charcoal, Low Density Cross Linked Polyethylene Foam material. Product is manufactured article.

**Solubility (water)** Insoluble

**Boiling point ( °C)** over 300 °C

**Melting point (°C)** @>90 Degrees Celsius

**Vapour pressure @ 25° (kpa)** NA

**Specific gravity** Density 30Kg/m<sup>3</sup>

**Flash point** over 150 °C

## 10. STABILITY AND REACTIVITY

<b>Hazard of use/ storage</b>	Stable under normal storage and required temperature
<b>Material to Avoid</b>	Incompatible with hydrofluoric acid (violently), oxidising agents (eg. Hypochlorite), acid and heat.
<b>Hazardous Decomposition Products</b>	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition

## 11. TOXICOLOGICAL INFORMATION

### Health Hazard Summary

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The material does not contain any ingredient which under any normal installation conditions should lead to health hazards such as skin irritations, mucous irritation or breathing difficulties.

**Eye** Not normally a hazard due to physical form, mechanical injury possible from particulate matter.

**Inhalation** Not normally a hazard due to non-volatile nature of product.

**Skin** Over exposure is unlikely due in this form of product.

**Ingestion** Not normally a hazard due to physical form of product.

**Toxicity Data** Polyethylene (9002-88-4)

### 12. ECOLOGICAL INFORMATION

**Environment** Availability of Limited ecotoxicity data for this product while preparing this report. Appropriate measures are taken to prevent this product from entering the environment

### 13. DISPOSAL CONSIDERATIONS

**Legislation** Dispose of in accordance with relevant local legislation.

**Waste disposal** Reuse where possible. No special precautions are required for this product

### 14. TRANSPORT INFORMATION

**UN No** None Allocated      **Dangerous goods class** None Allocated

**Subsidiary risk** None Allocated      **EPG card** None Allocated

**Shipping name** None Allocated      **Packing group** None Allocated

**Poisons schedule** None Allocated      **Hazchem code** None Allocated

### 15. REGULATORY INFORMATION

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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**Poison Schedule** A poison schedule number has not been allocated to this product using the criteria in the standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

## 16. OTHER INFORMATION

This information relates only to specific material designated and may not be valid for such material used in combination with any other materials or in any process, such information is to best of our knowledge, accurate and reliable as of the date compiled. Since conditions of use are beyond our control, the data is not to be taken as warranty or representation for which Thermotec Australia Pty Ltd assumes legal responsibility. It is the user's responsibility to satisfy him/herself as to the sustainability and completeness of such information for his own particular use. Use of the data and information must be determined by the user to be in accordance with local laws and regulations.