

## E-flex Insulation

**Other name:** E-flex – EPDM Closed Cell Elastomeric Thermal

**Chemical Name:** Ethylene propylene diene monomer *blended compound*

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Supplier Name:</b> THERMOTEC AUSTRALIA PTY LTD	<b>Web Site:</b> www.thermotec.com.au
<b>Address:</b> 168 Carrington Street, REVESBY, NSW, 2212, AUSTRALIA.	<b>E-mail:</b> michael@thermotec.com.au
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<b>Telephone</b> +612 9771 6400	<b>Reviewed Date:</b> 07 June 2013

**Use(s):** The product is used for hot and cold pipes of a thermal insulation.

### 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** This product is classified as a manufactured "article" . The product is formed to a specific shape or design during manufacture and has the end use of a thermal insulation used for hot and cold pipes. Can also be manufactured as a sheet product for thermal insulation of ductwork etc.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Physical description/properties**

**Ethylene propylene diene monomer**

Formal Name: EPT/EPDM  
 Chemical Family: Synthetic Rubber  
 Chemical Formula: (C2 H4)x (C3 H7)y (Diene)z  
 An appropriate container for reuse or disposal  
 CAS No.: 25038-36-2

**Aluminium Tryhydrate**

Chemical Name: Aluminium Tryhydrate/Aluminium Hydroxide  
 Formal Name: Aluminium Oxide Trihydrate  
 Chemical Formula: Al (O H)3  
 CAS No.: 21645-51-2

# MATERIAL SAFETY DATA SHEET

## Carbon Black

Chemical Name: Carbon black  
 Formal Name: Furnace Black  
 Chemical Family: High – Purity Colloidal Carbon  
 Chemical Formula: C CAS No. 1333-86-4

## 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>	Not required under normal use.
<b>Inhalation</b>	Not required under normal use. If irritation persists,, remove from exposed area and seek medical advice.
<b>Advice to Doctor</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Carbon Dioxide, ABC dry chemical, water spray and foam. Specific hazards with regard to fire fighting measures Approach from upwind side. Avoid breathing smoke, fumes or vapours on downwind side. Fire-fighters wear protective clothing, especially eye protection and self contained breathing apparatus  
**Hazardous Combustion Products:**  
 May generate Carbon Monoxide, Carbon Dioxide, low molecular weight alcohols, aldehydes and acids

## 6. ACCIDENTAL RELEASE MEASURES

**Steps if materials released/spilled**  
**Land spill:** Not applicable  
**Water spill:** Product is insoluble.  
**Neutralizing Agent:** N/A

## 7. STORAGE AND HANDLING

**Storage & transport** There are no transport procedures or restrictions requirements.  
 Transport under cover where possible, no hazard precaution requirements.

### Handling

Read the product label before use. Use of a safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit smoking in contaminated areas.

# MATERIAL SAFETY DATA SHEET



## 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 ventilated area.
<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

<b>Colour:</b> Black
<b>Melting point:</b> Not available
<b>Flammability upper/ lower limits:</b> Not available
<b>PH:</b> Not applicable
<b>Solubility in water:</b> Not applicable

## 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. Hypochlorites), acid and heat.
<b>Hazardous Decomposition Products</b>	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition

## 11. TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	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.
<b>Eye</b>	Not normally a hazard due to physical form, mechanical injury possible from particulate matter.
<b>Inhalation</b>	Not normally a hazard due to non-volatile nature of product.
<b>Skin</b>	Over exposure is unlikely due in this form of product.

# MATERIAL SAFETY DATA SHEET



<b>Ingestion</b>	Not normally a hazard due to physical form of product.	
<b>Toxicity Data</b>	Black Carbon	1333-86-4
	Ethylene propylene diene monomer	25038-36-2
	Aluminium Tryhydrate	21645-51-2

## 12. ECOLOGICAL INFORMATION

<b>Environment</b>	Availability of Limited ecotoxicity data for this product while preparing this report. Appropriate measures are taken to prevent this product from entering the environment
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## 13. DISPOSAL CONSIDERATIONS

<b>Legislation</b>	Dispose of in accordance with relevant local legislation.
<b>Waste disposal</b>	Reuse where possible. No special precautions are required for this product

## 14. TRANSPORT INFORMATION

<b>UN No</b> None Allocated	<b>Dangerous goods class</b> None Allocated
<b>Subsidiary risk</b> None Allocated	<b>EPG card</b> None Allocated
<b>Shipping name</b> None Allocated	<b>Packing group</b> None Allocated
<b>Poisons schedule</b> None Allocated	<b>Hazchem code</b> None Allocated

## 15. REGULATORY INFORMATION

<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
<b>Poison Schedule</b>	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.