

E-THERM THERMAL INSULATION

1. PRODUCT AND COMPANY IDENTIFICATION

Supplier Name THERMOTEC AUSTRALIA PTY LTD	Web Site: www.thermotec.com.au
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Use(s): Thermal and Acoustic Reflective 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

UN No.	None	Dangerous class	None
Hazchem code	None	Poisons Schedule	None
Packaging group	None	Manufacturing Codes	E-therm AG/ DS

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Physical description/properties

Appearance: Black or Grey LDPE material, Polyethylene homopolymer foam laminate with foil facing, as aluminum fire retardant.

Physical and Chemical Properties

Thermal Conductivity 0.03 W/mK at 23Degrees Celsius. By ASTM C653-97

Melting/decomposition range >90 Degrees Celsius (Softening) (Decomposition @ >300C)

Vapour pressure NA

Per cent volatile nil

SG Density 50Kg/m3

Flash point over 150C

Flammability limit AS1530.2.1989 Self extinguishing upon removal of direct flame source.

Auto ignition temperature Avoid long term exposure over 340C.

MATERIAL SAFETY DATA SHEET



Chemical entity:	CAS No.	Proportion
Polyethylene	9002-88-4	>95%

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

Flammability	<p>Material should be kept away from excessive heat sources.</p> <p>The foam backed products may burn with high heat and evolution of black smoke.</p> <p>Foil faced products (eg 4zero) comply with AS1530.3.1989 four zero fire rating.</p> <p>Test report available on request.</p> <p>Test report on foams available on request.</p>
Fire and Explosion	<p>There is potential for fire or explosion. If is not fully degassed. Always check with manufacturers special instructions for fire and explosion hazards.</p> <p>Must be kept away from any source of ignition until fully degassed. Contains blowing agent (propane).</p> <p>Normal fire fighting procedures should be allowed for to avoid inhalation of smoke and gases.</p>
Extinguishing	Dry chemical, water, carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Spillage/ Disposal	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	<p>Store in dry areas. Transport under cover where possible, no hazard precaution requirements.</p> <p>All rolls must be lifted with a minimum of two persons.</p> <p>Average weight per roll/box may be in excess of 30KG</p>
Handling	<p>Read all the product label before use. Use of a safe work practices are recommended to avoid eye or skin contact and inhalation. Good personal hygiene observation, including washing hands before eating. Prohibit smoking in contaminated areas.</p>

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds	No exposure limit allocated
Biological Limits	No Biological limit allocated
Engineering Controls	Use in well ventilated areas. Avoid inhalation. Observe State regulation on speed and direction of airflow away from operators.
PPE	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	Black or white LDPE material, Polyethylene homopolymer foam laminate with foil facing, as aluminum fire retardant.	
Solubility (water)	Insoluble	Boiling point (°C) @ >300C
Melting point (°C) @>90 Degrees Celsius		Vapour pressure @ 25° (kpa) NA
Specific gravity	NA	Flash point over 150C

10. STABILITY AND REACTIVITY

Hazard of use/ storage	Stable under normal storage and required temperature
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MATERIAL SAFETY DATA SHEET



Material to Avoid	Incompatible with hydrofluoric acid (violently), oxidising agents (eg. Hypochlorites), acid and heat.
Hazardous Decomposition Products	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	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 difficult
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	Overexposure 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
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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

MATERIAL SAFETY DATA SHEET



15. REGULATORY INFORMATION

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