

Rooftherm, Walltherm, Impact Flooring

Other Name: Foam Sheeting.

1. PRODUCT AND COMPANY IDENTIFICATION

Company Name THERMOTEC AUSTRALIA PTY LTD	Web Site: www.thermotec.com.au
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Use(s): Thermal and Acoustic Foam Insulation for Buildings residential, commercial and industrial.

2. HAZARDS IDENTIFICATION

NOT CLASIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

NOT CLASIFIED 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 Thermotec Rooftherm, Thermotec Walltherm, Impact Flooring, Impact Panels.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Physical description/properties

Appearance:

Dark grey, black or white Low Density Direct Extruded Polyethylene material, Polyethylene homopolymer foam fire retardants, typically antimony trioxide. Product is manufactured article.

Properties

Thermal Conductivity: 0.03 W/mK at 20Degrees Celsius. By DIN 52613

Melting/decomposition range: >90 degrees Celsius (softening). (Decomposition @ >300C)

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Vapour pressure NA	Per cent volatile nil	
SG Density 50 g/cm ³	Flash point over 150°C	
Flammability limit;	AS1530.2.1989 Self extinguishing upon removal of direct flame source.	
Auto ignition temperature:	Avoid long term exposure over 340C.	
<u>Ingredients:</u>		
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 Material should be kept away from excessive heat sources.

Foil faced products (e.g. 4zero) comply with AS1530.3.1989 four zero fire rating.

Test report available on request.

Test report on foams available on request.

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

MATERIAL SAFETY DATA SHEET



(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

Spillage/ Disposal Dispose of as landfill as required by local or state regulation. Recycling is possible contact manufacturer for recycling options.

7. STORAGE AND HANDLING

Storage & transport

Store in dry areas. Transport under cover where possible, no hazard precaution requirements.

All rolls must be lifted with a minimum of two persons.

Average weight per roll/box may be in excess of 30KG.

Handling

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

Exposure Stds	No exposure limit allocated
Biological Limits	No Biological limit allocated
Engineering Controls	Must be stored in a well ventilated area. Refer to manufactures" Safety when using Thermotec Closed Cell Polyethylene Foam".
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.

MATERIAL SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Dark grey, black or white Low Density Direct Extruded Polyethylene material, Polyethylene homopolymer foam fire retardants, typically antimony trioxide. Product is manufactured article.

Solubility (water) Insoluble

Boiling point (°C) @ >300C

Melting point (°C) @>90 Degrees Celsius

Vapour pressure @ 25° (kpa) NA

Specific gravity Density 50 g/cm³

Flash point NA

10. STABILITY AND REACTIVITY

Hazard of use/ storage

Stable under normal storage and required temperature

Material to Avoid

Incompatible with hydrofluoric acid (violently), oxidising agents (eg. Hypochlorite), 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 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).
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.