

Loaded polymer acoustic material

Other Name: Nuwave Base, Flexible Barrier, FourZero, NuWrap.

1. PRODUCT AND COMPANY IDENTIFICATION

Supplier Name THERMOTEC AUSTRALIA PTY LTD	Web Site: www.thermotec.com.au
Address: 168 Carrington Street, REVESBY, NSW, 2212, AUSTRALIA.	E-mail: michael@thermotec.com.au
Fax +612 9771 6466	Emergency No. +612 9771 6400
Telephone +612 9771 6400	Reviewed Date: 07 June 2013

Use(s): Acoustic noise reduction material.

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 NuWrap- All products, NuWave Base-All product, NuWave Unsupported, NuWave FourZero-All product, NuWave FourZero Unsupported

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Physical description/properties

Appearance:

Dark grey or black vinyl material, may have aluminium foil, black or other colour film facing and polyurethane foams and polyester fabrics adhered to the surface. Thickness typically 1mm to 4mm for products without foam or fibre backing. Up to 40mm thick with foam backings if used.

Properties

Melting/decomposition range: Over 150 degrees C. Boiling point: NA

Vapour pressure NA

Per cent volatile nil

SG 2.1 +/- 0.1g/cm³

Flash point over 150°C

MATERIAL SAFETY DATA SHEET

Flammability limit;	AS1530.2.1989 Self extinguishing upon removal of direct flame source. Flame Zero range meets the 'four zero' criteria of AS/NZS 1530.3.	
Auto ignition temperature:	Avoid long term exposure over 150C.	
<u>Ingredients:</u>		
Chemical entity:	<i>CAS No.</i>	<i>Proportion</i>
PVC Polyvinyl Chloride	9002-86-2	Low
Di octyl Phthalate	117-81-7	Medium
Polyurethane foam	9009-54-5	High >60% (when used)
Polyethylene foam		Medium >20 % when used
Inorganic fillers		High >70%
May contain small amounts of insoluble or plasticizer extenders. May contain small amounts of pigments.		

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.

MATERIAL SAFETY DATA SHEET

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 There are no restrictions on the type of extinguisher, which may be used.

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 There are no transport procedures or restrictions requirements.

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

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

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

Handling Read all 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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Dark grey or black vinyl material may have aluminium foil, black or other colour film facing and polyurethane foams and polyester fabrics adhered to the surface. Thickness typically 1mm to 4mm for products without foam or fibre backing. Up to 40mm thick with foam backings if used.

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

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

PVC Polyvinyl Chloride	9002-86-2
Di octyl Phthalate	117-81-7
Polyurethane foam	9009-54-5
Polyethylene foam	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 groupe 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.