

Flexible Polyurethane Foam

1. PRODUCT AND COMPANY IDENTIFICATION

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

Use(s): Backer Rod, Acoustic Products.

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 16-110, 19-130, 27-210, 27-160, 28-130, 31-190.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Physical description/properties

Appearance:

Flexible, cellular structure, white to off white, natural colour, or specified colour.
(Shade will change slowly on exposure to air).

Properties

Melting/decomposition range: 325 – 370 Degrees Celsius

Vapour pressure NA

Per cent volatile nil when fully degassed

SG Density: 15-100 Kg/m³

Flash point over 250°C

Flammability limit: Material can be ignited by an open flame or by a source for smouldering ignition.

Auto ignition temperature: Over 260°C short term. Avoid long-term exposures over 135°C.

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Ingredients:

Chemical entity:	CAS No.	Proportion
Polyurethane Foam	9009-54-5	100%

Note: As polyurethane foam is classified as an "article" it is not required to be listed on the Australian Inventory of chemical substances.

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

The material should be kept away from sparks, smokers' materials, open flame and from excessive heat. Smoking should be forbidden in areas where material is stored or processed. Foam may burn rapidly with high heat and evolution of black smoke. Flammability ratings of small-scale laboratory tests are not to be taken as an indication of the material's behaviour in an actual full-scale.

Fire and Explosion

If ignited the product may melt, producing flammable liquids. Burning produces toxic gases, such as carbon monoxide, oxides of nitrogen and hydrogen cyanide and intense heat, dense smoke.

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

Maintain adequate fire protection where large volumes of foam are kept, e.g. warehouse, fabrication areas and storage rooms. Check for compliance with insurance regulations, local building codes or other legal requirements.

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 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	Provide adequate general and local exhaust ventilation.
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

Flexible, cellular structure, white to off white, natural colour, or specified colour. (Shade will change slowly on exposure to air).

Solubility (water) Insoluble

Boiling point (°C) NA

Melting point (°C) 325-370 Degrees Celsius

Vapour pressure @ 25° (kpa) NA

Specific gravity Density:15-100 Kg/m³

Flash point over 250°C

10. STABILITY AND REACTIVITY

Hazard of use/ storage	Stable under normal storage and required temperature
Material to Avoid	Avoid heat, flame and other sources of ignition. Avoid contact with strong oxidisers. Reacts strongly with strong acids, bases, organic chemicals and certain metal combinations.

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Hazardous Decomposition Products High temperatures generated: Toxic gases / vapours / fumes of : Carbon dioxide (CO₂), Carbon monoxide (CO), Hydrogen cyanide (HCN).

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 non-volatile nature of product
Toxicity Data	Polyurethane (9009-54-5)

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

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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.