

Residential	Roofing	Fabrication	Agricultural	Thermal Mass	Perimate	Prodeck	Thermal Laminates	Styrofoam
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## Styrofoam™ MSDS

This is an abridged MSDS intended to provide information relevant to handling, processing and storage of product. To request a full copy of the Dow MSDS contact:

Aerodynamic Developments (Mfg.) Pty. Ltd. on 1800 051 100 or  
Dow Chemical (Aust.) Pty. Ltd. on 1800 338 019.

<b>PRODUCT</b>	STYROFOAM* Extruded Polystyrene Foam		
<b>GRADES</b>	LB, SM-BE, SM-TG, SP, RTM, IB, RM-SL, Floormate, Wallmate		
<b>UN NO</b>	Not Applicable	<b>SUB. RISK</b>	Not Applicable
<b>HAZCHEM</b>	Not Applicable	<b>SPEC. EPG</b>	Not Applicable
<b>G.T. EPG</b>	Not Applicable	<b>CAS NO</b>	Mixture
<b>PAC.K GRP</b>	Not Applicable	<b>SUSDP</b>	Not Applicable
<b>D.G. CLASS</b>	Not Applicable	<b>IMDG</b>	Not Applicable
<b>PRODUCT IDENTIFICATION:</b>			
<b>CHEMICAL ENTITY</b>	Extruded polystyrene foam blown with HCFC-142B and HCFC-22 and containing a brominate flame retardant.		
<b>HAZARDS CLASSIFICATION</b>	This product is not considered as hazardous according to Worksafe Australia.		
<b>PHYSICAL DESCRIPTION / PROPERTIES:</b>			
<b>APPEARANCE</b>	Rigid multicellular foam board. No odour.		
<b>BOILING POINT</b>	Greater than 75° C		
<b>MELTING POINT</b>	Greater than 75° C		
<b>FLASH POINT</b>	346° C		
<b>AUTO IGNITION TEMP</b>	491° C		
<b>DECOMPOSITION TEMP</b>	285° C		
<b>OTHER PROPERTIES</b>	Insoluble in water, density 20 to 70 kg/cubic metre		
<b>USE</b>	Generally for thermal insulation in many different constructions.		
<b>HEALTH HAZARD INFORMATION:</b>			
<b>ACUTE EFFECTS</b>	<b>SWALLOWED:</b>	Ingestion is unlikely due to physical state. Physical injury only.	
	<b>EYE:</b>	Solid or dust may cause irritation or corneal injury due to mechanical action.	
	<b>SKIN:</b>	Considered to be physiologically inert. No adverse effects anticipated this route of exposure incidental to proper industrial handling.	

	<b>INHALED:</b>	Dust may cause irritation to upper respiratory tract. No significant level of exposure to blowing agent or fire retardant during normal industrial procedures post manufacture. For further information contact Dow or Aero. Dev. (Mfg.) for unabridged MSDS.
	<b>CHRONIC EFFECTS:</b>	As above.
	<b>OTHER HEALTH HAZARD INFORMATION:</b>	Repeated exposures to this product are not anticipated to cause any significant adverse effects.
<b>FIRST AID</b>	<b>SWALLOWED:</b>	No adverse effects anticipated by this route of exposure.
	<b>EYE:</b>	Mechanical irritation only. Irrigate immediately with water for at least 5 minutes.
	<b>SKIN:</b>	No adverse effects anticipated by this route of exposure.
	<b>INHALED:</b>	Remove to fresh air if effects occur. Consult a doctor.
	<b>FIRST AID FACILITIES:</b>	Not applicable.
	<b>ADVICE TO DOCTOR:</b>	No other relevant information available.
	<b>TOXICITY DATA:</b>	Relevant to foam manufacture only. For further information contact Dow or Aero. Dev. (Mfg.) for unabridged MSDS.
<b>PRECAUTIONS FOR USE:</b>		
<b>EXPOSURE GUIDELINES</b>	INDUSTRIAL HYGIENE MEASUREMENTS of HCFC-142B and/or HCFC-22 have been made in residential dwellings, warehouses and production facilities where concentration can be expected to be highest. These measurements indicate that HCFC-142B/HCFC-22 are present only at levels well below 150 ppm even when large quantities of extruded foam products are present.	
<b>ENGINEERING CONTROLS</b>	Good general ventilation should be sufficient for most conditions. Certain operations such as grinding or cutting may lead to build up of dust which could cause a dust explosion. Provide adequate local ventilation and appropriate dust handling systems. Hot wire cutting may generate vapour levels sufficient to generate eye and respiratory irritation. Provide adequate ventilation. Local exhaust ventilation on the equipment is necessary for processing operations such as cutting and grinding, to control the exposure to dust and flames.	
<b>PERSONAL PROTECTION</b>	<b>RESPIRATORY:</b>	In dusty atmospheres, use an approved dust respirator.
	<b>SKIN:</b>	No precautions other than clean body covering clothing should be needed.
	<b>EYE / FACE:</b>	For fabrication operations safety glasses are recommended.
	<b>FLAMMABILITY:</b>	This product is combustible and may constitute a fire hazard if improperly used or installed. When installed this product should be adequately protected as directed by State and/or Local Government regulations or instructions in the specific application brochure.
<b>SAFE HANDLING INFORMATION</b>	<b>STORAGE &amp; TRANSPORT:</b>	This material is not classified as a dangerous good.
	<b>SPILLS &amp; DISPOSAL:</b>	Pick up or sweep up and place in suitable container for disposal.
	<b>DISPOSAL METHOD:</b>	Bury in an approved landfill, or burn in an adequate incinerator with excess oxygen, in accord with State and / or Local government regulations.
<b>FIRE/EXPLOSION</b>	<b>EXTINGUISHING MEDIA:</b>	Water spray.

<b>HAZARD</b>		
	<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Upon burning the product generates dense black smoke with small amounts of hydrogen bromide, -chloride, and -fluoride. Studies have shown that the products of combustion of this foam are not more acut toxic than the products of combustion of common building materials such as wood.
	<b>FIRE FIGHTING EQUIPMENT:</b>	Wear positive-pressure, self contained breathing apparatus.
	<b>SPECIFIC METHODS OF FIRE FIGHTING:</b>	Large volume of water directly on flame or burning surface. Soak thoroughly with water to cool and prevent re-ignition.
<b>REACTIVITY DATA</b>	<b>CHEMICAL STABILITY:</b>	Stable under normal handling and storage conditions.
	<b>INCOMPATIBILITY:</b>	Materials to avoid: organic solvents, esters, amines, aldehydes, oils, petrols.
	<b>DECOMPOSITION PRODUCTS:</b>	Under high heat, non flaming conditions, small amounts of aromatic hydrocarbons, predominantly styrene and ethyl benzene are generate
	<b>OTHER SAFE HANDLING INFORMATION:</b>	Exposed to intense sunlight over prolonged periods, the surface of th boards degrades into fine dust. This material contains a brominated flame retardant additive to inhibit accidental ignition from small fire sources. During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

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