



Bradford[™]

CSR SAFE USE INFORMATION SHEET

Rigid Polyisocyanurate Foam Insulation

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Rigid Polyisocyanurate Foam Insulation
Other Names:	PIR foam Modified PIR (Polyisocyanurate) rigid thermoset foam insulation
Product Codes/Trade Names:	Bradford PIR Boards or Panels, Bradford PIR Board or Panel System
Recommended Use:	Insulated boards for buildings, where improved fire performance is required. Used in under concrete soffits - roofs or floors, internal wall linings where space is limited or internal ceiling linings where space is limited.
Applicable In:	Australia and New Zealand
Supplier:	CSR Building Products Limited ABN 55 008 631 356
Address:	Triniti 3, 39 Delhi Road North Ryde NSW 2113 Australia
Telephone:	+61 2 9235 8000
Email Address:	bradfordwebenq@csr.com.au
Facsimile:	+61 2 9235 8044
Emergency Phone Number:	000 Fire Brigade and Police (available in Australia only)
Poisons Information Centre:	13 11 26 (available in Australia only)

As Rigid Polyisocyanurate Foam Insulation with flexible facings products sold in Australia and New Zealand by CSR Bradford are not classified as hazardous, a Safe Use Information Sheet (SUIS) is not strictly required under Australian Regulations. This model SUIS is issued by CSR Bradford for the information of users, installers and the community. It has been formatted in accordance with the Code on Preparation of a Safe Use Information Sheet 2003 Safe Work Australia (SWA – formerly ASCC/NOHSC).

The information in this SUIS must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its SUIS by any other person or organization. The Supplier will issue a new SUIS when there is a change in product specifications and/or ASCC standards, codes, guidelines, or Regulations.

SECTION 2: HAZARD IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

This product is **not classified as hazardous** when assessed by CSR Bradford according to the criteria of the National Occupational Health and Safety Commission (NOHSC):1008, and the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Rigid Polyisocyanurate Foam Insulation is classified as **Non-Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Ingestion: Polyisocyanurate (PIR) foams are considered non-toxic on ingestion.

Eye Contact: Dust from cutting, machining, may irritate the eyes. Irritating vapors (decomposition products) may be produced if product is exposed to high temperatures (≥ 250 deg C).

Skin Contact: Medical conditions that may be aggravated by exposure include asthma, bronchitis, emphysema, skin

CSR SUIS Reference: Rigid Polyisocyanurate Foam Insulation

Date Issued: 6th December 2016

allergies and eczema. The possibility exists that individuals who are very sensitive to isocyanates may also be sensitive to the reacted foam. Should this be the case, those individuals need to be assigned to an area which does not have PIR foam.

Inhalation: PIR foam are chemically inert. Foam dust can cause mechanical irritation of the upper respiratory tract. If ignited, foam may decompose and emit toxic gases and respiratory irritants. Dust from cutting, machining, is non-hazardous.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Core:	Rigid thermoset urethane insulation (PIR)
Product facings:	Foil Embossed Silver

SECTION 4: FIRST AID MEASURES

Ingested:	Wash mouth out with water. Seek medical attention if symptoms occur. PIR is nonhazardous
Eyes:	Do not rub or scratch your eyes. Immediately flush with plenty of water to remove dust particles, occasionally lifting upper and lower eye lids. Check for and remove any contact lenses. If irritation persists, contact a medical professional.
Skin:	Non sensitizing. If some skin irritation occurs, wash with soap and water to remove dust. Seek medical attention if redness persists.
Inhaled:	Dust is non-hazardous. If dust is inhaled, remove to fresh air and keep at rest in a comfortable breathing position. Use water to clear throat and blow nose to remove dust. Seek medical attention if symptoms occur.

SECTION 5: FIRE FIGHTING MEASURES

Flammability:	The ignition temperature of rigid Polyisocyanurate foam is in the range of 670 - 770°C. The temperature must exceed 250°C for a period of time before the occurrence of degradation, which may lead eventually to self-ignition. At this temperature most solid combustible material will exhibit signs of charring, one of the first steps in ignition.
Suitable extinguishing media:	Use an extinguishing agent suitable for surrounding fire. Water-Spray (Fog), Foam, CO2, Dry Power.
Hazards from combustion products:	None Identified. Fire fighters should use SCBA gear. Burning foam should be saturated with water. Dust classification St Class 1 (weak explosion potential).
Fire Fighting Procedures:	During a fire, carbon monoxide, nitrogen oxides and other polymer fragments that may be toxic and/or irritating may be present. Self-contained breathing apparatus and full protective gear should be used. Promptly isolate the scene by removing all persons from the vicinity.
HAZCHEM Code:	None allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Clean Up Procedure:	Pick up large pieces. Sweep or gather up material and place in proper container for disposal or recovery. Use vacuuming or wet sweeping methods, instead of dry sweeping, to minimize potential exposures.
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SECTION 7: HANDLING AND STORAGE

Handling:	It is recommended that suitable PPE to be used in the handling and cutting of these materials. To reduce dust it is recommended to use a trimming knife rather than a saw when cutting boards. Avoid skin and eye contact and inhalation of foam dust.
Storage:	Products should be stored off the ground, on a clean, flat, dry surface and under cover. Products should be stored/processed and transported away from ignition hazards and forms of direct radiant heat. Do not store foam near any ignition source such as exposed electrical or gas heating elements, open flames and exposed lights. Do not smoke in foam storage areas. Do not allow foam scrap and cuttings to accumulate and maintain clear aisles with adequate access to all storage areas and exits. The polythene wrapping is not considered adequate protection for outdoor storage.
Incompatibilities:	None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	CSR recommends keeping exposures to dust and other atmospheric contaminants to as low a level as is reasonably practicable. No specific Workplace Exposure Standard (WES) applies to the dust of Rigid Polyisocyanurate Foam Insulation products.
Notes on Exposure Standards	Exposure Standard (TWA) is the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should not impair the health or cause undue discomfort to nearly all workers.
Biological Limit Values:	Not applicable
ENGINEERING CONTROLS	
Ventilation:	During most applications and installation no special ventilation will be required. However, if installing in dusty or poorly-ventilated areas, or during the first heat-up cycle in high-temperature industrial applications, local exhaust ventilation should be considered. Work practices should aim to minimise the release of, and exposure to, fibres and/or dust. Hand tools generate the least amount of dust and fibres. If power tools are used directly on the product appropriate dust collection systems are recommended. Work areas should be cleaned regularly to minimise dust.
PERSONAL PROTECTION EQUIPMENT	
Hand Protection:	It is recommended that gloves are worn when handling product.
Skin Protection:	Non sensitizing. To reduce the risk of cut hazard from edges of board it is advisable to wear general purpose gloves. In bright sunlight it is recommended to wear UV skin protection when installing Alu/MG products
Eye Protection:	Eye protection is recommended during mechanical cutting. In bright sunlight, it is recommended to wear UV glasses when installing Alu/MG products. Ensure that eyewash stations and safety showers are close to the workstation location.
Respiratory Protection:	Dust is non-hazardous. Dust from plasterboard / plywood facings may cause respiratory irritation. It is recommended that a dust mask is worn when cutting. In confined areas it is recommended that extraction is used when mechanical cutting is being performed.
Other:	This product is non-load bearing. The facings on faced products can be slippery underfoot when wet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cream/ Buff coloured foam with silver embossed foil
Odour:	Slight, non-offensive smell
pH, at stated concentration:	Neutral
Vapour Pressure/Density:	Not applicable
Boiling Point/range (°C):	Not applicable
Melting Point (°C):	Not applicable
Solubility in water:	Not soluble
Volatile Organic Compounds (VOC) content/Percent Volatiles:	Very low
FLAMMABLE MATERIALS	
Flash Point:	Not applicable
Flash Point Method:	Not applicable
Flammable (Explosive) Limit - Upper:	Not applicable
Flammable (Explosive) Limit - Lower:	Not applicable
Auto-ignition Temperature:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Product is stable and un-reactive under normal usage.

SECTION 11: TOXICOLOGICAL INFORMATION

Polyisocyanurate board is non-toxic and it a non irritant.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:	This product is not classified as a hazardous air pollutant. No specific data is available on ecotoxicity, but estimations based on toxicity information suggest that the materials in these products are not toxic to fish, birds insects or organisms in the environment. No harm to fish or wildlife would be caused by this product.
Persistence and Degradability:	Product is inert and stable in water and soil. No adverse environmental effects would be expected if accidentally released in water or soil.
Ozone Depleting Potential	As referenced in the US EPA list of Ozone Depleting Substances (Class 1 and Class 2), no Ozone Depleting Substances are involved in either the manufacture or composition of this product & therefore has an ozone depletion potential of zero.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste is non-hazardous. Waste product & packaging should be disposed of in accordance with local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

Transport Requirements:	No special transport requirements are necessary.
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UN number:	None allocated	Subsidiary Risk 1:	None allocated
DG Class:	None allocated	Packaging Group:	None allocated
HAZCHEM code:	None allocated		

SECTION 15: REGULATORY INFORMATION

Poisons Schedule:	None allocated
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SECTION 16: OTHER INFORMATION

For further information on this product, please contact:

CSR Building Products Ltd, Triniti 3, 39 Delhi Road North Ryde NSW 2113 Australia

Phone: 1800 354 044 (available in Australia only)

ADDITIONAL INFORMATION

The following references are intended as guides to good industrial practice applicable to building and construction products.

AS/NZS 1336	Recommended Practices for Occupational Eye Protection
AS/NZS 1715, 1716	Selection, Use and Maintenance of Respiratory Protective Devices
AS 2161	Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)

AUTHORISATION

Reason for Issue:	Change to Safe Use Information Sheet
Authorised by:	Mariana Lai
Date of Issue:	27/11/2020

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END OF SUIS