

### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product name:</b>	<b>Enviroseal™ Reflective Foil Insulation</b> <b>Thermofoil® Reflective Foil Insulation</b> <b>Thermoplast™ Reflective Foil Insulation</b>
<b>Other Names:</b>	Thermofoil® - Light Duty Facing (729), Light Duty Facing (731), Medium Duty Facing (730), Medium Duty Perforated (730P), Heavy Duty Facing (750), Heavy Duty Perforated (750P), Acoustituff™, Medium Duty Sarking (733), Heavy Duty Sarking (753).  Enviroseal™ - Wall Wrap, Wall Breather, Wall Wrap Plus, Residential Wrap, Roof Metal / Wall, Roof Tile, Roof Tile Plus, Roof Tile Safety.  Thermoplast™ - Decorative Foil (983), Decorative Foil Perforated (983P), Decorative Facing Foil (980), Decorative Facing Foil Perforated (980P), Decorative Foil (993), Decorative Foil Perforated (993P), Decorative Facing Foil (990), Decorative Facing Foil Perforated (990P)
<b>Recommended use:</b>	Used as reflective insulation and sarking membranes in roofs, walls and floors of domestic, industrial and commercial buildings. Also used as individual membranes, or as facings for Glasswool and Rockwool blankets and batts.
<b>Supplier:</b>	CSR Building Products Limited ABN 55 008 631 356
<b>Address:</b>	Triniti 3, 39 Delhi Road, North Ryde, NSW 2113, Australia
<b>Telephone:</b>	+61 2 9235 8000
<b>Email Address:</b>	<a href="mailto:bradfordwebenq@csr.com.au">bradfordwebenq@csr.com.au</a>
<b>Facsimile:</b>	+61 2 9235 8044
<b>Emergency Phone Number:</b>	000 Fire Brigade and Police (available in Australia only)
<b>Poisons Information Centre:</b>	13 11 26 (available in Australia only)

This Material Safety Data Sheet (MSDS) 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 Material Safety Data Sheet 2003 Safe Work Australia (SWA – formerly ASCC / NOHSC).

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

### SECTION 2: HAZARDS IDENTIFICATION

#### NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOOD

**STATEMENT OF HAZARDOUS NATURE:** Not classified as Hazardous according to the criteria of the Australian Safety and Compensation Commission ASCC (formally National Occupational Health and Safety Commission NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC:1008] 3<sup>rd</sup> Edition. Classified as **Non-Dangerous Goods** under State and Commonwealth legislation. Risk and safety phrases are not applicable to this product.

Note: If heated above 120°C, the adhesive in these products may break down releasing fumes which contain chlorine and hydrogen chloride, which are classified as Hazardous.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name:	Proportion:	CAS Number:
Aluminium foil	<25%	-
Adhesive (Hot melt)	<65%	-
Laminating kraft paper	<25%	-
Woven polypropylene	<65%	-
Continuous filament fibreglass	<10%	-

**SECTION 4: FIRST AID MEASURES**

<b>Swallowed:</b>	Unlikely under normal conditions of use. Swallowing may result in mild irritation of mouth and throat.
<b>Eyes:</b>	Flush with flowing water. If symptoms such as irritation or redness persist, seek medical attention.
<b>Skin:</b>	No skin reaction would be expected from contact with the product.
<b>Inhaled:</b>	(applies to fumes or smoke from overheating) Remove to fresh air. If symptoms persist, seek medical attention.
<b>Advice to Doctor:</b>	Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES**

<b>Specific Hazards:</b>	Not flammable – delaminates above 80°C.
<b>Suitable Extinguishing Media:</b>	Use extinguishing media (e.g. carbon dioxide, water, foam or dry chemical) and equipment as required by fire in surrounding materials.
<b>Fire Fighting Procedures:</b>	If product is present in a fire, some smoke and toxic gasses may be evolved. Wear protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.
<b>Hazardous Decomposition Products:</b>	When heated above 120°C, the adhesive may break down releasing chlorine and hydrogen chloride.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Off-cuts:</b>	Collect off-cuts and waste material for disposal.
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**SECTION 7: HANDLING AND STORAGE**

<b>Storage:</b>	Keep in a dry sheltered environment
<b>Incompatibilities:</b>	None

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>National Exposure Standards:</b>	<b>Australian Safety and Compensation Commission ASCC</b> (formerly NOHSC) <b>Australian Occupational Exposure Standard.</b> None applicable for product under normal use.
<b>ENGINEERING CONTROLS</b>	
<b>Ventilation:</b>	Not applicable
<b>Personal Protection:</b>	Gloves required when cutting product with knife.
<b>Skin Protection:</b>	None required.
<b>Eye Protection:</b>	None required.
<b>Respiratory Protection:</b>	Where product is heated above 120°C, causing smoke or fumes, an efficient cartridge-type or powered respirators or supplied-air helmets or suits may be necessary. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Aluminium foil covered laminate
<b>Odour:</b>	None
<b>pH, at stated concentration:</b>	Not applicable
<b>Vapour pressure / Density:</b>	Not determined
<b>Boiling Point / range: (°C)</b>	Not determined
<b>Freezing/Melting Point: (°C)</b>	Not applicable
<b>Solubility in water:</b>	Not soluble
<b>Solubility (Other):</b>	Not applicable
<b>Specific Gravity: (H<sub>2</sub>O = 1)</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability Limits:</b>	Not applicable
<b>Flash Point:</b>	Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable
<b>Incompatible Materials:</b>	None
<b>Conditions to avoid</b>	Heating to over 120°C
<b>Hazardous Reactions / Decomposition Products:</b>	When heated above 120°C, the adhesive may break down releasing chlorine and hydrogen chloride.
<b>Hazardous Polymerisation:</b>	None

**SECTION 11: TOXICOLOGICAL INFORMATION**

Toxicological data is not applicable to the solid material.

**Health Effects: (applicable to any fumes due to overheating above 120°C):**

<b>Acute Effects:</b>	When heated above 120°C, the adhesive may break down releasing chlorine and hydrogen chloride.
<b>Swallowed:</b>	Unlikely under normal use.
<b>Eyes:</b>	In situations of overheating above 120°C fumes will irritate the eyes causing watering and redness.
<b>Skin:</b>	In situations of overheating above 120°C fumes may cause mild skin irritation.
<b>Inhaled:</b>	In situations of overheating above 120°C highly irritant smoke or fumes may cause excess mucous secretion, coughing and lung damage (see Sections 5 and 10 above).

**Health Effects: Chronic (long term):** None known

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	No known reports of ecotoxicity.
<b>Persistence and Degradability:</b>	Product would be expected to be of low bio-degradability and persistent in the environment.
<b>Mobility:</b>	Low mobility in landfill situations.
<b>Ozone Depleting Potential (ODP):</b>	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 it has an ozone depletion potential of zero.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Collect off-cuts and waste material. Dispose into a landfill site in accordance with local authority guidelines.

**SECTION 14: TRANSPORT INFORMATION**

<b>Transport Requirements:</b>	No special transport requirements are necessary
<b>UN number:</b>	None allocated
<b>Class:</b>	None allocated
<b>Subsidiary Risk 1:</b>	None allocated
<b>Packaging Group:</b>	None allocated
<b>HAZCHEM code:</b>	None allocated
<b>DG Class:</b>	None allocated
<b>EPG:</b>	None
<b>Incompatibilities:</b>	None
<b>Proper Shipping Name:</b>	None allocated
<b>Marine Pollutant:</b>	No

**SECTION 15: REGULATORY INFORMATION**

<b>Poisons Schedule:</b>	None allocated
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**SECTION 16: OTHER INFORMATION**

**For further information on this product, please contact:**

Trinity 3, 39 Delhi Road, North Ryde, NSW 2113, Australia

**Phone:** 1800 819 618 (available in Australia only)

**Fax:** 1800 647 260

**ADDITIONAL INFORMATION**

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

<b>AS/NZS 1336</b>	Recommended practices for occupational eye protection
<b>AS/NZS 1715, 1716</b>	Selection, use and maintenance of Respiratory Protective Devices.
<b>AS/NZS 2161</b>	Occupational protective gloves

**AUTHORISATION**

<b>Reason for Issue:</b>	ODP statement added
<b>Authorised by:</b>	Warren Stewart
<b>Date of issue:</b>	22 <sup>nd</sup> January 2013

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END OF MSDS