

## SAFETY DATA SHEET

Product Name **HEATSHIELD (PRODUCT OBSOLETE)**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name **BOC LIMITED (AUSTRALIA)**  
Address 10 Julius Avenue, North Ryde, NSW, 2113, AUSTRALIA  
Telephone 131 262, (02) 8874 4400  
Fax 132 427 (24 hours)  
Emergency 1800 653 572 (24/7) (Australia only)  
<http://www.boc.com.au>  
Synonym(s) FIRE BLANKET • WELD BLANKET  
Use(s) THERMAL INSULATION • WELDING BLANKET  
SDS date 27 November 2014

### 2. HAZARDS IDENTIFICATION

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA**

Risk Phrases

None allocated

Safety Phrases

None allocated

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

UN Number	None Allocated	Transport Hazard Class	None Allocated
Packing Group	None Allocated	Hazchem Code	None Allocated

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Content
GLASS, OXIDE	65997-17-3	266-046-0	>60%
STARCH	9005-25-8	232-679-6	Not Available

### 4. FIRST AID MEASURES

**Eye** Exposure is considered unlikely unless casing is damaged. Flush gently with running water. Seek medical attention if irritation develops.  
**Inhalation** Due to product form / nature of use, an inhalation hazard is not anticipated.  
**Skin** Exposure is considered unlikely. Skin irritation is not anticipated.  
**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.  
**Advice to doctor** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Flammability** Non flammable. May evolve toxic gases if strongly heated.  
**Fire and explosion** No fire or explosion hazard exists.

**Product Name** HEATSHIELD (PRODUCT OBSOLETE)

**Extinguishing** Use an extinguishing agent suitable for the surrounding fire.

**Hazchem code** None Allocated

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal precautions** Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**Environmental precautions** Prevent product from entering drains and waterways.

**Methods of cleaning up** If product is damaged, seal and minimise fibre release. Clean spill site using approved micro-filter equipped vacuum cleaner or wet sweep. Reuse where possible or place in a sealable plastic bag for safe disposal to an approved landfill.

**References** See Sections 8 and 13 for exposure controls and disposal.

---

## 7. STORAGE AND HANDLING

---

**Storage** No special requirements for the storage of this product.

**Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Non-respirable fibres, inspirable dust	SWA (AUS)	--	2	--	--
Starch (a)	SWA (AUS)	--	10	--	--
Synthetic mineral fibres, respirable fibres	SWA (AUS)	--	0.5 f/ml	--	--

**Biological limits** No biological limit allocated.

**Engineering controls** Due to product encapsulation no special ventilation precautions are required for the handling of this product, unless the encapsulation material is damaged.

### PPE

**Eye / Face** Not required under normal conditions of use.

**Hands** Not required under normal conditions of use.

**Body** Not required under normal conditions of use.

**Respiratory** Not required under normal conditions of use.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

**Appearance** FIBROUS, RESIN BONDED FIBRE BLANKET  
**Odour** ODOURLESS  
**Flammability** NON FLAMMABLE  
**Flash point** NOT RELEVANT  
**Boiling point** NOT RELEVANT  
**Melting point** > 700°C  
**Evaporation rate** NOT RELEVANT  
**pH** NOT RELEVANT  
**Vapour density** NOT AVAILABLE  
**Specific gravity** 2.54  
**Solubility (water)** INSOLUBLE  
**Vapour pressure** NOT RELEVANT  
**Upper explosion limit** NOT RELEVANT  
**Lower explosion limit** NOT RELEVANT  
**Explosive properties** NOT AVAILABLE  
**Oxidising properties** NOT AVAILABLE

Product Name **HEATSHIELD (PRODUCT OBSOLETE)**

% Volatiles NOT RELEVANT

---

## 10. STABILITY AND REACTIVITY

---

**Chemical stability** Stable under recommended conditions of storage.  
**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources.  
**Material to avoid** Compatible with most commonly used materials.  
**Hazardous Decomposition Products** May evolve toxic gases if heated to decomposition.  
**Hazardous Reactions** Polymerization is not expected to occur.

---

## 11. TOXICOLOGICAL INFORMATION

---

**Health Hazard Summary** Low irritant. Due to the product encapsulation, the potential for adverse health effects are reduced, unless the product is cut or damaged resulting in fibre release. Use safe work practices to avoid fibre/dust generation - inhalation. The glass filament contained in this product is reported to be non respirable and is not classifiable as to its carcinogenicity in humans (IARC Group 3).

**Eye** Due to product encapsulation, the potential for exposure is reduced. If package is damaged, exposure to fibres may result in irritation, lacrimation and redness.

**Inhalation** Exposure considered unlikely. Due to fibreglass encapsulation, an inhalation hazard is not anticipated unless product is cut or damaged resulting in fibre release. The fibres contained within this product are reported to be non respirable.

**Skin** Irritant. Contact with fibres may result in pain, redness and rash. Due to product encapsulation, fibre generation is unlikely unless product is cut or damaged.

**Ingestion** Ingestion is considered unlikely due to product form.

**Toxicity data** GLASS, OXIDE (65997-17-3)  
TCLo (inhalation) 5 mg/m<sup>3</sup>/7H/90W (rat)  
TDLo (intraperitoneal) 50 mg/kg (rat)

---

## 12. ECOLOGICAL INFORMATION

---

**Toxicity** No information provided.  
**Persistence and degradability** No information provided.  
**Bioaccumulative potential** No information provided.  
**Mobility in soil** No information provided.  
**Other adverse effects** No information provided.

---

## 13. DISPOSAL CONSIDERATIONS

---

**Waste disposal** Dispose of to landfill. If product is damaged or dusts are likely, place in a sealed, appropriately labelled plastic bag, then dispose to landfill.  
**Legislation** Dispose of in accordance with relevant local legislation.

---

## 14. TRANSPORT INFORMATION

---

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>UN Number</b>	None Allocated	None Allocated	None Allocated
<b>Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>Transport Hazard Class</b>	None Allocated	None Allocated	None Allocated
<b>Packing Group</b>	None Allocated	None Allocated	None Allocated

**Environmental hazards** No information provided

**Special precautions for user**

**Hazchem code** None Allocated

## 15. REGULATORY INFORMATION

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Inventory Listing(s)** **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

## 16. OTHER INFORMATION

**Additional information** GLASSWOOL (FIBREGLASS) - ROCKWOOL - MINERAL WOOL TILES: Please note that stringent standards are required when installing fibrous glass and ceramic materials. NOHSC and Building Industry Standards and procedures exist for the use of these products.

SYNTHETIC MINERAL FIBRES (SMF), also known as Man Made Mineral Fibre: Refers to synthetic fibrous inorganic substances made primarily from rock, clay, slag or glass. These fibres may be divided into three general groups;

- (i) GLASSFIBRES or FIBREGLASS (comprising glasswool and glass filament);
- (ii) ROCKWOOL/ SLAGWOOL; and
- (iii) CERAMIC FIBRES.

If any of the fibres are classified as "respirable", they can be inhaled into the deepest part of the lungs.

GLASSFIBRES - FIBREGLASS (comprising glasswool and glass filament): Glasswool is formed by blowing or spinning molten glass. An entangled matt of fibrous material results and may contain 'respirable' fibres (diameter < 3 microns, length > 5 microns, length to width ratio greater than 3:1). Glass filament or reinforcing filament is extruded or continuously drawn from molten glass and has a relatively large diameter, usually greater than 6 microns, and a narrow range of diameter distribution. These continuous filaments are usually non-respirable.

GLASSWOOL (FIBREGLASS): MINERAL FIBRE Worksafe exposure standards for synthetic mineral fibres are:

\* TWA for respirable fibres: 0.5 fibres/mL

\* TWA for non respirable (inspirable) fibres > 3 microns: 2.0 mg/m<sup>3</sup>

It should be noted that these levels should be used as a guide only and all measures taken to keep levels as low as practicable.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Product Name**      **HEATSHIELD (PRODUCT OBSOLETE)**

<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

**Revision history**

Revision	Description
2.0	Obsolete.
1.0	Initial SDS creation

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au.

**Revision:** 2  
**SDS Date:** 27 November 2014

**End of SDS**