



BOC Limited
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MATERIAL 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 +61 131 262, (02) 8874 4400
Fax +61 132 427 (24 hours)
Emergency 1800 658 278 (A/H) (Australia only)
Synonyms FIRE BLANKET, WELD BLANKET.
Uses THERMAL INSULATION, WELDING BLANKET.

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
FIBROUS GLASS		>60%	65997-17-3
STARCH		Not Available	9005-25-8

4. FIRST AID MEASURES

Eye Exposure considered unlikely unless casing is damaged. Flush gently with running water. Seek medical attention if irritation develops.

Inhalation Exposure is considered unlikely. An inhalation hazard is not anticipated.

Skin Exposure is considered unlikely. No skin irritation is anticipated.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. Due to product form and application, ingestion is considered unlikely.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. No fire or explosion hazard exists.

Fire and Explosion Non flammable. No fire or explosion hazard exists.

Extinguishing Non flammable.

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5. FIRE FIGHTING MEASURES cont.

Hazchem Code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage If product is damaged, seal and minimise fibre release. Wear dust-proof goggles, PVC/rubber gloves, a Class P2 (Particulate) respirator and coveralls. Clean area 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.

7. HANDLING AND STORAGE

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 (eg. if container is damaged).

Storage No special requirements for the storage of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Exposure Standards STARCH (9005-25-8)
ES-TWA : 10 mg/m3 (Inspirable dust)
WES-TWA : 10 mg/m3

PPE No personal protective equipment is normally required. However, if the potential for fibre generation exists, wear dust-proof goggles, PVC/rubber gloves, a Class P1 (Particulate) respirator and coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: FIBROUS, RESIN BONDED FIBRE BLANKET
Odour: ODOURLESS
pH: NOT RELEVANT
Vapour Pressure: NOT RELEVANT
Vapour Density: NOT AVAILABLE
Boiling Point: NOT RELEVANT
Melting Point: > 700 C
Evaporation Rate: NOT RELEVANT
Solubility (water): INSOLUBLE
Specific Gravity: 2.54
% Volatiles: NOT RELEVANT

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9. PHYSICAL AND CHEMICAL PROPERTIES cont.

Flammability: NON FLAMMABLE
Flash Point: NOT RELEVANT
Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT RELEVANT
Autoignition Temperature: NOT AVAILABLE

10. STABILITY AND REACTIVITY

Reactivity Compatible with most commonly used materials.

Decomposition Products May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Low irritant. Due to product encapsulation, the potential for adverse health effects are markedly reduced, unless the product is cut or damaged resulting in fibre release. Avoid fibre 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 Exposure considered unlikely. Due to product encapsulation, a hazard is not anticipated unless packages are cut or damaged. Exposure to fibres may result in irritation, lacrimation,

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. Fibre exposure may result in itching, redness and skin rash. Due to product encapsulation, fibre generation is unlikely unless product is cut or damaged.

Ingestion Exposure considered unlikely. Due to product form, ingestion is considered highly unlikely.

12. ECOLOGICAL INFORMATION

Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

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

Transport Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

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14. TRANSPORT INFORMATION cont.

UN Number None Allocated
DG Class None Allocated
Subsidiary Risk(s) None Allocated
Packing Group None Allocated
Hazchem Code None Allocated

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

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): 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/m3It should be noted that these levels should be used as a guide only and all measures taken to keep levels as low as practicable.

ABBREVIATIONS:

mg/m3 - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

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16. OTHER INFORMATION cont.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert 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 Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

Report Reviewed 1st January 2006

Date Printed 20th July 2006

Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department. The information is based on the latest chemical and toxicological research, and in compliance with relevant standards, guidance notes and legislation (where applicable). The Chem Alert report is not intended as a replacement to the manufacturer's original MSDS that is provided to Chem Alert subscribers for convenience. In many instances, Chem Alert reports are compiled on behalf of manufacturers, in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

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**Colour
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GREEN**