SAFETY DATA SHEET

Rhino Wall and Ceiling Batts

1. Identification

Product Name:	Rhino Wall and Ceiling Batts
Other Names:	FBS-1 Glass Wool Bio-Soluble Insulation, Rhino Wall & Ceiling Batts, Rhino Partitioning Batts, Rhino Building Blanket, Rhino Lightweight Flexible Blanket, Rhino General Purpose and Duct wrap Blanket, Rhino Flexible Duct liner, Rhino Duct wrap, Rhino Semi-Rigid Glasswool Insulation, Rhino Rigid Glasswool Sheets & Acoustic Blanket.
Recommended Use:	Thermal and acoustic insulation including energy conservation. Used in homes, public and commercial buildings, warehouses, industrial and petrochemical plants, motor vehicles, ships, public transport, power stations and white goods.
Supplier:	Thor Building Products Pty Ltd
Address:	293 Earnshaw Road, Northgate, QLD, 4013
Telephone:	1300 880 828
Facsimile:	07 3219 6833
Manufacturer:	Fletcher Insulation
Emergency Contact:	02 9752 9200
Website:	www.thorbuilding.com.au
Important Notice:	This Safety Datasheet (SDS) is issued by the Supplier in accordance with the code and guidelines from the Australian Safety and Compensation Council (ASCC, formally National Occupational Health and Safety Commission NOHSC). The information in this must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its SDS by any other person or organisation. The Supplier will issue a new SDS when there is a change in the product specifications and/or ASCC standers, guidelines or regulations.

2. Hazard(s) Identification

Statement of Hazardous Nature:	Classified as **Non Hazardous** according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC). Approved Criteria For Classifying Hazardous Substances [NOHSC: 1008] 3rd Edition. This product is classified as **Non-Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

3. Composition and Information on Ingredients

Chemical Name:	Proportion:	CAS Number:
FIBERISED BIO-SOLUBLE GLASS	> 85.00%	-
HEAT-CURED RESIN	< 15.00%	25104-55-6
MINERAL OIL	< 2.00%	-

Other Properties: The fibres and particles are amorphous (non-crystalline). The resin and solvent refined mineral oils bind the fibres and particles together and minimise the release of dusts. The heat cured resin is stable and will remain intact for the life of the product under normal atmospheric conditions. Low Allergen content with the ability to moderate temperature changes.

4. First Aid Measures

Swallowed:	Rinse the lips and mouth with water, give water to drink, and seek medical attention.
Eyes:	Flush with copious amounts of water. if symptoms persist seek medical attention.
Skin:	Sluice with water and, if itching persists, seek medical attention.
Inhaled:	Remove to fresh air if symptoms persist seek medical attention.
Advice to Doctor:	This product can be slightly irritant to the skin, but is not known to produce any chronic health effects. Treatment should be directed toward the source of irritation with symptomatic treatment as necessary. Any other symptoms and signs of ill-health are likely to be due to other causes.

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5. Fire Fighting Measures

Specific Hazard(s): Non-flammable. This product is non-flammable, but the plastic wrapping, resin binder, and some facings (e.g. vinyl tissue) may decompose, smoulder or burn in a fire or when heated above 300°C. This product has a 4 zero fire rating when subjected to early fire hazard tests in accordance with the Australian Standard - AS1530 Part 3-1999.

Extinguishing Media: Use water fog to cool intact containers and nearby storage areas.

Fire Fighting Procedures: If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

Hazardous Decomposition Resin binders and facings may decompose, smoulder or burn in fire situation or if heated over

6. Accidental Release Measures

Spills: If product is torn or loose, reseal and minimise fibre release Personnel directly involved in clean up should wear personal protective equipment as described in section 8 to prevent skin and eye irritation. Clean area so as to avoid dispersion of any irritant fibres using wet sweep methods or approved micro-filter equipped vacuum cleaner. Reuse where possible or place in a sealable plastic bag for disposal according to local authority guidelines.

7. Handling and Storage

Handling: Installing or removing the product may result in some dust and airborne fibre; minimise eye or skin contact and inhalation during handling, installation and removal. Observe good personal hygiene including washing hands before eating. Remove protective equipment before entering eating areas. Once installed, does not release dust or fibres, and does not cause any health effects.

Storage: Store in sealed container in cool, dry area, removed from foodstuffs. Ensure packages are adequately labelled, protected from physical damage, and sealed when not in use. Avoid packaging being stored under UV light (direct sunlight) for long periods.

Incompatibilities: None.

8. Exposure Controls and Personal Protection

Exposure Standards: National Occupational Exposure Standard (NES) Australian Safety and Compensation Council, ASCC (formerly NOHSC): None allocated for this product, but for airborne respirable fibres 0.5f/ ml time-weighted average (TWA) standard is recommended and a standard of 2.0 mg/cubic metre time-weighted average (TWA) for non-respirable fibres (inspirable dusts). ASCC standards provide that all exposures should be kept as low as practicable. Total dust (of any type, or particle size): 10 mg/m3 TWA.

ENGINEERING CONTROLS

Ventilation: During most applications and installation of this product, no special ventilation will be required. However, if dusty, or in poorly ventilated areas, or during the first heat-up cycle in high temperature installations, 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 and vacuuming or wet sweeping is recommended.

PERSONAL PROTECTION

Skin Protection: Direct skin contact can be minimised by wearing long sleeved shirts and long trousers, a cap or hat, and standard duty gloves conforming to Australian Standard AS 2161. Work clothes should be washed regularly and separately from other clothes.

Eye Protection: When handling, particularly handling it overhead or in enclosed or poorly ventilated areas such as ceiling spaces or risers, eye contact.

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9. Physical and Chemical Properties

Appearance:	A matt of yellow fibrous material resembling wool. It is supplied in different shapes and sizes, packaged in plastic or cardboard boxes. It may be rigid or flexible; and facings such as aluminium foil, vinyl, and synthetic tissues applied to meet specific purposes.
Odour:	Slight amine odour.
pH:	Not Applicable.
Boiling Point (°C):	Not Applicable.
Melting Point (°C):	> 704°C.
Vapour Pressure:	Not Applicable.
Specific Gravity (H_20 = 1):	Variable.
Solubility in Water:	Insoluble.
Evaporation Rate:	Not Applicable.
Vapour Density:	Not Applicable.
Precent Volatiles:	Very Low; < 1.00%.
Flash Point:	Not Applicable.
Decomposition Temperature:	> 300°C.
Lower Explosive Limits:	Not Applicable.
Upper Explosive Limits:	Not Applicable.

10. Stability and Reactivity

Chemical Stability:	No reported incompatibilities, however resin binders may be attacked by acidic, alkaline or solvent based substances. The cured resin is stable and will remain intact for the life of the product under normal atmospheric conditions.
Hazardous Polymerisation:	None known:
Conditions to Avoid:	None known:
Hazardous Decomposition Products:	None known:

11. Toxicological Information

HEALTH EFFECTS - Short Term

Acute:	Products used in high temperature applications (above 177(C), may release gases (CO_2, formaldehyde, amines) from the resin bonding which are irritating to the eyes, nose and throat during initial heat-up. in confined or poorly ventilated areas, use air supplied respirators during the first heat-up cycle.
Swallowed:	Unlikely under normal conditions of use, but would result in irritation of the lips, mouth and stomach.
Eyes:	Dust is a mechanical irritant, if it gets into the eyes may cause eye discomfort resulting in watering and redness.
Skin:	Handling this product and its dust may irritate the skin resulting in itching and occasionally a red rash. The rash is not allergic and usually disappears quickly.
Inhaled:	The dust may cause discomfort of the nose, throat and respiratory tract, especially in those suffering from upper respiratory or chest complaints such as hay fever asthma or bronchitis.

HEALTH EFFECTS - Long Term

Chronic:	There are no known long term health effects. Fibres have been shown to be bio-soluble, which means that any fibres inhaled into the lungs dissolve in body fluids and are then cleared from the lungs. Fibres would comply with the short term bio persistence test.
Swallowed:	There are no known long-term health effects.
Eyes:	There are no known long-term health effects.
Skin:	There are no known long-term health effects.
Inhaled:	There are no known long-term health effects.

12. Ecological Information

Eco-toxicity: Neither the raw materials nor the finished product contain any ozone depleting chemicals. This product is not classified as a hazardous air pollutant. This product is bio-soluble and in most ecosystems it would be expected to solubilize over a period of weeks to months. Binder-coated glasswool is hydrophobic; therefore, no adverse environmental effects would be expected if this product were accidentally released in the water or soil. No harm to fish or wildlife would be caused by this product.

13. Disposal Considerations

Disposal Method: Place in sealed, appropriately labelled plastic bags and dispose of or in accordance with local authority guidelines. Clean area with micro equipped vacuum or wet sweep. Any waste material should be cleaned up and disposed of in accordance with local authority guidelines. Use protective equipment as described in the Exposure section 8 when handling uncontained material with dust or fibre can be avoided by wearing ventilated non-fogging dust resistant goggles conforming to Australian and New Zealand Standards AS/NZS 1336.

Respiratory Protection: When handling this product, particularly during work in enclosed or poorly ventilated areas, an approved particulate respirator conforming to Australian and New Zealand Standards AS/NZS 1715 and 1716 is recommended. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.

Personal Hygiene: Washing of exposed skin with soap and water at the end of a shift or as required is recommended.

14. Transport Information

Transport Requirements: This product is not regulated as a Dangerous Good. No special transport requirements are necessary.

UN Number: None allocated.

DG Class: None allocated.

HAZCHEM Code: None allocated.

Subsidiary Risk 1: None allocated.

Packaging Group: None allocated.

15. Regulatory Information

Poisons Schedule: None allocated.

16. Other Information

Additional Information

Additional Information and reference documents Poisons Information Centre 13 11 26 (Australia Wide).
National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)], April 2003.
National Code Of Practice For The Labelling Of Workplace Substances NOHSC:2012(1994)], March 1994, Australian Government Publishing Service, Canberra.
Australian Standards References:
AS/NZS 1336 Recommended practices for occupational eye protection.
AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.
AS/NZS 1716 Respiratory protective devices.
AS/NZS 2161 Occupational protective gloves.

RHINO BATTS Ceiling & Wall Insulation

SDS DATE | November 21, 2017 | **SUPERSEDES DATE** | June 22, 2016