

MATERIAL SAFETY DATA SHEET

PRODUCT NAME

GLASSWOOL INSULATION

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name: TASMAN INSULATION NEW ZEALAND LTD

Address: Holloway Place, PO Box 12-069, Penrose, Auckland, New Zealand

Telephone +64 9 579-2139

Fax +64 9 579-8806

Emergency

Synonym(s) Pink[®] Batts[®] Classic and Pink[®] Batts[®] Ultra[®] ceiling and wall insulation, Pink[®] Batts[®] Building Insulation Blanket, Pink[®] Batts[®] Masonry Wall, Pink[®] Batts[®] Silencer[®], Pink[®] Batts[®] SnugFloor[®], Noise Control Block[™], Noise Control Blanket[™], Noise Control Panel[™], Noise Control Board[™], Sonomatt[®], Siliner/Ductliner[™], Ductwrap, Hush Duct[®], Flexible Equipment Insulation[™] (FEI[™]), Lightweight Equipment Insulation[™] (LEI[™]), Intermediate Service Board[™] (ISB[™]), Rigid Equipment Insulation[™] (REI[™]), Preformed Pipe Sections Flexwrap[®] Appliance Insulation White Wool, Hot Water Cylinder Wrap

Use(s): Thermal and acoustic insulation for homes, schools, commercial buildings, industrial plant, vehicles, white goods, fire protection.

MSDS Date: 9 September 2011



2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES (CLASSIFICATION) REGULATIONS 2001

HAZARD CLASSIFICATION Non Hazardous

HAZARD STATEMENTS Glass wool insulation may produce a respirable dust which may cause irritation to the skin, eyes and respiratory tract

PRECAUTIONARY STATEMENTS Avoid breathing dust.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME & Concentration	Concn. %	CAS Number	Derived HSNO Classification in the substance
Borosilicate Glass	84-98	N/A	
Heat cured phenol- formaldehyde resin	2-16	N/A	
De-dusting refined mineral oil	< 2	64742-65-0	

MATERIAL SAFETY DATA SHEET

PRODUCT NAME

GLASSWOOL INSULATION

4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes or continue flushing until advised to stop by the Poison Information Centre or a doctor.
Inhalation	If inhaled, move to source of fresh air.
Skin	Wash with mild soap and cold running water. Use a washcloth if necessary to help remove fibres and particles.
Ingestion	Give water to drink.
Medical Advice	If symptoms persist, contact the Poison Information Centre (call 0800 764 766) or a doctor. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability	Glass wool insulation is stable and similar products are used for fire proofing purposes. The packaging and some facings may burn and the resin binding the fibres may break down producing gases typical of any organic material being burnt in a fire.
Explosion	Non-flammable; not-explosive
Extinguishing	Normal fire fighting
Hazchem Code	None allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage	Any spilt material or off-cuts from installation should be cleaned up by the use of a vacuum cleaner or sweeping. Waste should be placed into containers (e.g. plastic bags) that will not allow the product to become airborne when transported for disposal. The product should be disposed of at an approved landfill site in accordance with Resource Management Act.
-----------------	---

7. STORAGE AND HANDLING

Storage	Glass wool insulation should be stored in its supplied packaging in an area protected from traffic movement and sources of heat or flame. Store in a cool dry area.
Handling	Before using this product, become familiar with the safe handling procedures. No special transport requirements are considered necessary if kept within its outer packaging.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME

GLASSWOOL INSULATION

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds

The New Zealand Workplace Exposure Standard for glass wool insulation is:

- 1 respirable fibre per ml and 5 mg/m³ inspirable dust (refer Workplace Exposure Standards and Biological Exposure Indices, 6th ed., July 2011, Department of Labour).
- It is anticipated that airborne respirable fibre levels will rarely exceed 0.2 f/mL in most user applications.

Engineering Controls

Provide good ventilation (either forced or natural). Minimise dust generation by using hand tools. Powered tools and machinery (e.g. saws, sanders, drills) should be fitted with dust extraction equipment. An industrial vacuum cleaner should be used to clean work areas.

PPE

Wear loose fitting work clothes which cover the arms, neck and legs. Work gloves are also recommended. Use a respirator when exposure is above recommended limit, or whenever desired. Refer OSH list of approved Respiratory Protection Equipment. In very dusty conditions greater comfort may be afforded by a full-face powered air-purifying respirator. Ventilated, non-fogging goggles are also recommended particularly when handling glass wool overhead. Wash regularly and launder work clothes separately from other clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pink, yellow to brown or grey/green

Solubility (water) Insoluble

Odour May have a faint odour of resin

Specific Gravity Not available

pH 7

Volatiles Not available

Vapour Pressure N/A

Flammability Non flammable

Vapour Density N/A

Flash Point N/A

Boiling Point N/A

Upper Explosion Limit N/A

Melting Point 700 °C

Lower Explosion Limit N/A

Evaporation Rate N/A

Auto-ignition Temperature N/A

Density N/A

Viscosity N/A

Other Properties:

Average fibre diameters (nominal diameters) ranging from 5.0 to 10.0 millionths of a metre (micrometres, microns, or µm). However the product can contain fibres ranging from one to twenty µm diameter. The manufacturing process for bonded glass wool involves the heat curing of the resin to form a yellow/pink/green binder which bonds the fibres. Solvent refined mineral de-dusting oils (usually less than 1%) are added during manufacture. Testing of this product during use indicates that airborne respirable fibre levels of less than 0.2 f/mL can be anticipated.

10. STABILITY AND REACTIVITY

Stability

Stable under recommended conditions of storage

Conditions Avoid to

No known conditions to avoid

Material to Avoid

No known materials to avoid

Decomposition

May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition

Polymerization

Polymerization will not occur

MATERIAL SAFETY DATA SHEET

PRODUCT NAME

GLASSWOOL INSULATION

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary

ACUTE (Short Term):

Eye Irritant.	Contact may result in irritation, lacrimation, pain and redness.
Inhalation	Irritation of the nose and throat; especially in people with pre-existing upper respiratory or chest complaints.
Skin	Irritation to the skin causing itching and sometimes a red rash may occur. The itch or rash is usually not severe, does not last long, and can be relieved by washing with mild soap and cool water.
Ingestion	Unlikely to occur and no known health effects but would be expected to cause stomach irritation if ingested.

CHRONIC (Long Term): There are no long-term health effects. This product is rapidly bio-soluble in laboratory studies. Bio-soluble means that any fibres inhaled into the lungs dissolve in the body fluids and are quickly cleared from the lungs. The fibres comply with the short term bio persistence test in Note Q in European Directive 97/69/EC of 5 Dec 1997. The International Agency for Research on Cancer (IARC) has classified glass wool insulation as not classifiable as to carcinogenicity to humans (Group 3).

12. ECOLOGICAL INFORMATION

Environment Cured Phenol Formaldehyde Resin is not toxic to the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal The product should be disposed of at an approved landfill site.
Legislation Resource Management Act

14. TRANSPORT INFORMATION

**NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE:
DANGEROUS GOODS 2005 NZS 5433:2007, UN, IMDG OR IATA**

Shipping Name	None Allocated	DG Class	None Allocated	Subsidiary Risk(s)	None Allocated
UN No.	None Allocated	Hazchem Code	None Allocated	EPG	None Allocated
Pkg Group	None Allocated				

MATERIAL SAFETY DATA SHEET

PRODUCT NAME

GLASSWOOL INSULATION

15. REGULATORY INFORMATION

Approval Code N/A
Group Name N/A
Pictograms Required None

16. OTHER INFORMATION

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N/A. = NOT APPLICABLE

Prepared By

A J Haggerty, M G Burgess

MSDS Date: 9 September 2011

End of Report