PINK® BATTS® INSULATION
Safety Data Sheet
Issue Date: 02/03/16
Version: 1.5

Safety Data Sheet according to HSNO Regulations

SECTION 1 : IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name : Pink® Batts® Insulation

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

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 Stack™, Noise Control Blanket™, Sonomatt®, Factoryliner™, 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.

SDS Date : 03 March 2016

SECTION 2 : HAZARDS IDENTIFICATION

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

Hazard Classification
Non Hazardous.

Hazard Statements
Glasswool insulation may produce a respirable dust which may cause irritation to the skin, eyes and respiratory tract.

Precautionary Statements
Avoid inhaling dust.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name & Concentration	Concentration (%)	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 highly refined process oil	0-2	64742-01-4	

SECTION 4 : FIRST AID MEASURES

Eye
If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek medical advice.

Inhalation
If inhaled, remove from contaminated area to fresh air.

Skin
Wash with mild soap and running water. Use a washcloth if necessary to help remove fibres and particles.

Ingestion
Give water to drink.

Medical Advice
If symptoms persist seek medical advice. Treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Flammability
Glasswool insulation is stable and similar products are used for fire proofing purposes. During a fire, however, 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.

Fire and Explosion
Non-flammable. Not Explosive**.**

Extinguishing
Normal fire fighting.

Hazchem Code
None allocated**.**

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spillage
Any spilt material due to accidents 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.

SECTION 7 : STORAGE AND HANDLING

Storage
Glasswool insulation should be stored in its supplied packaging in an area where it is protected from being damaged by 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 as long as the product is kept within its outer packaging.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds
The New Zealand Workplace Exposure Standard for glasswool insulation is:

- 1 respirable fibre per mL and 5 mg/m^3 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
Loose fitting work clothes which cover the arms, neck and legs are recommended for comfort. Work gloves are also recommended. Use a half-face respirator (minimum class P1) when exposure is above WES limit, and at levels below WES limit if desired for comfort (refer to Worksafe 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 glasswool overhead. Wash regularly and launder work clothes separately from other clothes.

SECTION 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^{0}C	**Lower Explosion Limit**	N/A
Evaporation Rate	N/A	**Autoignition Temperature**	N/A
Density	N/A	**Viscosity**	N/A

Other Properties
Average fibre diameters (nominal diameters) range 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 glasswool 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.

SECTION 10 : STABILITY AND REACTIVITY

Stability
Stable under recommended conditions of storage.

Conditions to Avoid
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.

SECTION 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 biopersistence 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).

SECTION 12 : ECOLOGICAL INFORMATION

Environment
Cured Phenol Formaldehyde Resin is not toxic to the environment

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal
The product should be disposed of at an approved landfill site.

Legislation
Resource Management Act.

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

SECTION 15 : REGULATORY INFORMATION

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

SECTION 16 : OTHER INFORMATION

The information provided on this SDS 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
M G Burgess

End of Report

PINK® BATTS® INSULATION
Material Safety Data Sheet
Issue Date: 02/03/2016
Version: 1.5