Fletcher Insulation
Building Better, Together

Safety Use Information Sheet

Date of issue: 31.01.2020

FBS-1 Glasswool Bio-Soluble Insulation®

Section 1: Identification of the Material and Supplier

Product name	FBS-1 Glass Wool Bio-Soluble Insulation®
	Pink® Batts Insulation Pink® Soundbreak™ Acoustic Insulation Pink® Building Blanket Pink® Partition Pink® Partition 168 Permastop Building Blanket Roofstop® Building Blanket Ductflex®
Other names:	Acoustic Blanket Rigid Glasswool Sheets High Density Equipment Insulation (HDEI) High Temp Insulation Rigid Glasswool Sheets
	Note: this Safety Use Information Sheet (SUIS) is applicable to the glasswool component of Fletcher Insulation glasswool composites such as Permastop® Building Blanket. However, users must also refer to the SUIS relating to various other elements the product comprises of. In the case of Permastop® Building Blanket, the user should refer to the Fletcher Insulation Sisalation® SUIS available for download via www.insulation.com.au
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:	Fletcher Insulation Pty Ltd
Address:	600 Woodstock Ave, Rooty Hill NSW 2766
Telephone:	1300 654 444
Emergency contact:	1300 654 444 or Poisons Information Centre 13 11 26 (Australia Wide)
Website:	www.insulation.com.au
Important notice:	As FBS-1 Glasswool Insulation products manufactured or sold in Australia and New Zealand by Fletcher Insulation is classified as **non-hazardous,** a Safety Data Sheet (SDS) is not strictly required under Australian Regulations. As such, this Safety Use Information Sheet (SUIS) is issued by Fletcher Insulation for the information of users, installers and the community. It has been formatted in accordance with the Code on Preparation of a Safety Data Sheets for hazardous chemicals, December 2011, Safe Work Australia. The information in this SUIS must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its SUIS by any other person or organization. The Supplier will issue a new SUIS when there is a change in product specifications and/or ASCC standards, codes, guidelines, or Regulations.

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Section 2: Hazards Identification

Non-hazardous substance/non-dangerous goods

Not classified as hazardous according to the criteria of Safe Work Australia.

Section 3: Composition/Information on Ingredients

Ingredient (common name)	Proportion	CAS Number
Fiberised bio-soluble glass	>85%	
Heat cured resin	<15%	25104-55-6
Mineral oil (solvent refined)	<2%	8012-95-1

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.

Section 4: First Aid Measures

Inhalation:	If exposed to excessive levels of dust, leave area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary. Seek medical attention if symptoms persist.
Ingestion:	Rinse mouth and drink water. Seek medical attention if symptoms occur.
Skin:	In case of skin contact rinse with cool water and then wash affected areas with soap and warm water. Mechanical action of fibres on skin can cause itchiness. A commercially available skin cream or lotion may be helpful to treat dry skin areas. Seek medical attention if symptoms persist.
Eyes:	Flush with copious amounts of water. if symptoms persist seek medical attention.

Section 5: Fire Fighting Measures

Specific hazards:	Specific Hazards: Non-flammable. FBS-1 Glass Wool Bio-Soluble Insulation® is non-flammable, but the plastic wrapping, resin binder, and some facings (eg. vinyl tissue) may decompose, smoulder or burn in a fire or when heated above 300°C. FBS-1 Glass Wool Bio-Soluble Insulation® has a 0,0,0,0-1 fire rating when subjected to early fire hazard tests in accordance with the Australian Standard AS1530 Part 3-1999. As needed for surrounding fire conditions.
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.
Suitable extinguishing media:	Carbon dioxide (CO_2), water, water fog, foam and dry chemical.
Hazardous decomposition products:	Resin binders and facings may decompose, smoulder or burn in fire situation or if heated over 300°C.
Hazchem Code:	Not allocated.

Section 6: Accidental Release Measures

Containment and clean up procedure:	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.

Section 7: Handling and Storage

Handling:	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. FBS-1 Glass Wool Bio-Soluble Insulation®, 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.

Section 8: Exposure Controls/Personal Protection

Exposure Standards (Safe Work Australia):	Fletcher Insulation recommends keeping exposures to dust and other atmospheric contaminants as low as is reasonably practicable. No specific Workplace Exposure Standard (WES) applies to the dust or modified bonded fibre from FBS-1 Glasswool Insulation products. FBS-1 Glasswool Insulation manufactured by ICANZ member companies are of low biopersistence. Dust from these products is regarded as nuisance dust, and the exposure standard for nuisance dusts of 10 mg/m^3, measured as inhalable dust (8-hour Time-Weighted Average (TWA)* should be applied. In typical installation conditions or where work is being done on insulated premises, a variety of dusts may be present. In any work area where almost all the airborne material is fibrous FBS-1, then a Workplace Exposure Standard (WES) of 2mg/m^3 (inhalable dust) applies. *An 8-hour time-weighted average (TWA) exposure is the average airborne concentration measured over an eight-hour working day and a 5-day working week, over an entire working life. According to current knowledge, this concentration should not impair the health or cause undue discomfort to nearly all workers.
Engineering controls:	Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits. If cutting or trimming with power equipment, dust collectors and local ventilation should be used. Keep work area clean of dust and fibres by using an industrial vacuum cleaner with high efficiency filter or wetting down area with water. Never use compressed air and avoid dry sweeping.
Personal protection	
Respiratory protection:	Wear an approved dust respirator in poorly ventilated areas where local exhaust is not feasible, if TLV is exceeded, and/or when dusty conditions exist. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye protection:	Wear safety glasses with side shields or goggles to avoid eye irritation. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin protection:	Direct skin contact can be minimised by wearing long sleeved shirts and long trousers, a cap or hat, and standard duty gloves. See Australian Standards AS2161 and 2919 and AS/NZS 2210 for more information.
Hygiene Practices:	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Work clothes should be washed regularly and separately from other clothes before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Section 9: Physical and Chemical Properties

Appearance:	A matt of pink 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.
Physical properties:	Batt or roll of mineral fibres
Odour:	Slight amine odour
Melting range:	> 704°C
Boiling range:	Not applicable
Decomposition temperature:	> 300°C
Volatile Component (% vol):	< 1%
Solubility in Water (g/L):	Insoluble
pH (as supplied)	Not applicable

Section 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 decomposition products:	None known
Hazardous polymerisation:	None known
Conditions to avoid:	Physical damage

Section 11: Toxicological Information

Acute health effects:	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.
Inhalation:	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.
Ingestion:	Unlikely under normal conditions of use, but would result in irritation of the lips, mouth and stomach.
Eye:	FBS-1 Glass Wool Bio-Soluble Insulation® dust is a mechanical irritant, if it gets into the eyes may cause eye discomfort resulting in watering and redness.
Skin:	Handling FBS-1 Glass Wool Bio-Soluble Insulation® and its dust may irritate the skin resulting in itching and occasionally a red rash. The rash is not allergic and usually disappears quickly.
Chronic health effects:	There are no known long term health effects. FBS-1 Glass Wool Bio-Soluble Insulation® 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. Safe Work Australia (formerly ASCC/NOHSC) and international authorities do not classify mineral wool fibres with high bio-solubility as carcinogenic or capable of causing fibrosis.

Section 12: Ecological Information

Ecotoxicity:	Neither the raw materials nor the finished product contain any ozone depleting chemicals. This product is not classified as a hazardous air pollutant. FBS-1 Glass Wool Bio-Soluble Insulation® 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.
Mobility:	No information available

Section 13: Disposal Considerations

Place in sealed, appropriately labelled plastic bags and dispose of or in accordance with local authority guidelines. Label bags as **Non-hazardous** or as general building waste. 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.

Section 14: Transportation Information

Transport requirements:	Not regulated for transport of dangerous goods: ADG7, UN, IATA, IMDG
Hazchem code:	Not applicable

Section 15: Regulatory Information

Poisons Schedule:	None
Poisons Information Centre	13 11 26 (Australia Wide)

Section 16: Other Information

Additional Information and Reference Documents

Poisons Information Centre 13 11 26 (Australia Wide)
Please read instructions/label before using product.
Code on Preparation of a Safety Data Sheets for hazardous chemicals, December2011, Safe Work Australia.

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

Abbreviations used:

IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Prepared by: 4cRisk.com.au Pty Ltd

This SUIS was correct at the time it was prepared (see below for the date). The Supplier, as part of its Health and Safety Programme, updates SUIS when its ongoing review process indicates a need for a change to be made. Ensure that the SUIS you are reading and relying on is current. You can do this by contacting the Supplier at the above address.

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