Material Safety Data Sheet

Infosafe No™ LPYNW	Issue Date : December 2009	ISSUED by HBFULL

Product Name : **FIRESOUND**

Not classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name FIRESOUND

Company Name H.B. FULLER COMPANY (ABN 003 638 435)

Address 16-22 Red Gum Drive Dandenong South
Victoria 3175 Australia

Emergency Tel. AUS: 1800 033111 (or IDD +61 3 9663 2130), NZ: 0800 734 607 (Or IDD +64 473 4607)

Telephone/Fax Number Tel: Customer Service Toll Free Numbers: Australia 1800 423 855; New Zealand: 0800 555 072

Recommended Use Used by the construction industry in tilt-up slab construction as a fire resistant joint sealant. Apply directly from cartridge using a caulking gun and tool off with a trowel.

Other Names

Name	Product Code
FIRESOUND GREY	
FIRESOUND PRECAST	
FIRESOUND WHITE	

Other Information This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Company Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous
New Zealand:
Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion	Hazard Symbol	Risk Phrase
Silica (crystalline-quartz)	14808-60-7	30-60 %		
Synthetic polymers	Proprietary	30-60 %		
Sodium hydroxide	1310-73-2	<0.1 %		
Ammonia, aqueous solution	1336-21-6	<0.1 %		
Industrial biocide/preservative	Proprietary	<0.05 %		
Ingredients determined not to be hazardous		To 100%		

4. FIRST AID MEASURES

Not classified as hazardous

Inhalation	Remove the source of contamination or move the victim to fresh air. Keep at rest and warm. If symptoms persist seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.
Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone New Zealand 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, dry chemical, foam, water fog or water spray.
Hazards from Combustion Products	Under fire conditions this product may emit silica dust, and toxic and/or irritating fumes including acrylic monomers, carbon monoxide and carbon dioxide.
Specific Hazards	Combustible substance. Organic components of this product will burn under fire conditions.
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent inhalation and eye exposure. Evacuate all unprotected personnel. Collect the material and transfer into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Use in a well ventilated area. Do not generate vapours or mists in the work atmosphere. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Practice good personal hygiene, that is, always wash hands after handling the product, and before eating, drinking, smoking or using the toilet facilities. The product contains respirable crystalline silica. Take appropriate measures to prevent inhalation of respirable dust if the cured or dried product is drilled, cut, machined or sanded.
Conditions for Safe Storage	Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Protect from freezing. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for the mixture by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some industrial chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The available exposure standards for ingredients are stated below:

Substance	TWA	STEL	Notice

Not classified as hazardous

	ppm	mg/m³	ppm	mg/m³	
Silica (as Quartz) (Respirable dust)	-	0.2	-	-	-
Sodium hydroxide	-	2	(Peak Limitation)		

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Biological Limit Values No biological limit allocated.

Engineering Controls Provide sufficient ventilation to keep airborne levels below exposure limits. Where natural ventilation is inadequate, a local exhaust ventilation system, drawing vapours/mists away from workers' breathing zone, should be used.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material such as laminated film, PVC or nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pigmented paste.

Melting Point Not available

Boiling Point Not available

Solubility in Water Miscible

Specific Gravity 1.55

pH Value 7.8-9.0

Vapour Pressure Not available

Vapour Density (Air=1) Not available

Viscosity 800,000-1,000,000 cP

Colour Grey, grey with orange tint or white.

Volatile Component VOC content: 31 g/L (Californian South coast air quality management rule 1168)

Flash Point Not applicable

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Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of handling and storage.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including acrylic monomers, carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	This product contains respirable crystalline silica. Crystalline Silica (respirable size) has been classified by the International Agency for Research on Cancer (IARC) as Group 1: Carcinogenic to humans. Furthermore, crystalline silica can cause silicosis or other lung diseases on repeated or prolonged exposure. NOTE: The physical nature of the product (paste) dictates that the crystalline silica is unlikely to present a health problem during normal use, unless the dried/cured product is drilled, cut, machined or sanded to release respirable silica particles. Use approved dust respirator when drilling, grinding or machining dried/cured product.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	This product may cause sensitisation by skin contact in some individuals. May be irritating to skin resulting in redness and itching.
Eye	May be irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environ. Protection	Do not discharge the product into drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information	Road and Rail Transport: Not classified as Dangerous Goods for transport according to the NZS 5433:2007

Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Regulatory Information

New Zealand:
Not classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazard) Regulations 2001.
All components of this product are listed on the New Zealand Inventory of Chemicals (NZIC).

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Created: December 2009

Contact Person/Point

For advice in an emergency contact:
Australia: 1800 033 111 (or IDD +61 3 9663 2130).
New Zealand: 0800 734 607 (or IDD +64 4 473 4607)
...End Of MSDS...