

Unifrax Australia Pty. Ltd.

326 Settlement Road
Thomastown, VIC 3074

ACN 093 625 757

Ph: (03) 9463 0000 Fax: (03) 9464 1176



INSULFRAX® PUMPABLE XJ

MATERIAL SAFETY DATA SHEET

No Classification under EEC Directive 76/548/EEC

Refer Worksafe Australia Classifying Clause 1.14.

1. IDENTIFICATION OF MATERIAL & SUPPLIER

Brand Name: Insulfrax® Pumpable

Ship. Name (CSN): None Allocated

Other Names: Insulfrax® Pumpable XJ
Insulfrax® XJ-1

UN Number: None allocated

DG Class None allocated

Packaging Group None allocated

Hazchem Code None allocated

Poisons Schedule Not scheduled

Product Use High Temperature expansion joint mastic, insulating gap filler.

Manufacturer/Supplier: Unifrax Limited
Mill Lane, Rainford
St. Helens
Merseyside 20 WA118L
UK

Unifrax Australia Pty. Ltd.
336 Settlement Road
Thomastown 3074
Victoria
Australia

Contact Details: See Page 9.

2. HAZARDS IDENTIFICATION

Flammability

Fire Hazards: Non flammable

Explosive Hazards: Non Explosive

Health Hazards: Irritating to eyes, skin, respiratory system and disturbances to Gastro intestines.

Authorised by: Alan Smith

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	Name	CAS	Proportion
	Water	7732-18-5	0-60%
	Amorphous alkaline earth silicate fibre (Glass oxide) (Glass oxide)	65997-17-3	5-15%
	Silicon Dioxide (amphorous)	7631-86-9	10-20%
	Cellulose derivative	9032-42-2	1-7%

Other Information Remaining components not determined to be hazardous and/or hazardous components present at less than 1.0% (0.1% for Worksafe Australia Cat. 1 & 2 carcinogens).

4. FIRST AID MEASURES

Ingestion Ingestion is unlikely, but if it does occur DO NOT induce vomiting; drink plenty of water. Material should be excreted naturally, but if effects persists seek medical attention.

Eye Flush immediately with large amounts of water for at least 15 minutes, after removing any contact lenses. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes. Seek medical advice as good work hygiene practice in all cases of eye contamination.

Skin If skin becomes irritated, remove contaminated clothing. Wash area of contact thoroughly with soap and water. Do not rub or scratch exposed skin. Using a skin cream or lotion after washing may be helpful. If effects persist seek medical advice.

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4. First Aid Measures cont'd:

Inhalation	Remove exposed person/s from source of exposure, to fresh air. Recovery should be rapid, but if effects persist seek medical advice.
First Aid Facilities	Eyewash station and normal washroom facilities must be provided.
Advice to Doctor	Acute effects are essentially irritant in nature. Refer to 'OTHER INFORMATION' section for chronic and long term exposures.

5. FIRE FIGHTING MEASURES.

Fire Explosion Hazard:	Not Flammable and not explosive.
Hazardous Reactions/ Decomposition Products	Refer to SAFE HANDLING INFORMATION
Hazchem Code:	None Allocated.

6. ACCIDENTAL RELEASE MEASURES

Spills:	Pick up large dried pieces and place in containers. Where possible, use vacuum cleaner to clean up smaller spilled material. Refer to removal procedures in use and handling.
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7. HANDLING & STORAGE

Storage Precautions: Keep dry. No special storage or transport requirements.

Handling:

In the *installation* of Insulfrax Pumpable, the following handling and installation procedures are recommended:

- a) All installation practices should be designed to minimise the liberation of any airborne fibre or dust.
- b) In large installations of several days/weeks duration, the installation area should be clearly designated and barriers erected to limit access.
- c) The Insulfrax Pumpable Materials should be stored in sealed drums or similar containers until installation is to proceed. These containers should be opened within the designated work area when work is to start.
- d) Where possible, materials should be delivered in sizes such that a minimum of handling is required. However when cutting or drilling is required, these should be done with hand tools fitted with local exhaust extraction.
- e) Empty storage bags should be folded and stored in a waste container along with any waste material.
- f) Upon completion of the job, all excess materials should be sealed in bags prior to removal from the designated work area. The work area should be vacuumed using an industrial vacuum cleaner. Wet mopping and wiping can be utilised if an industrial vacuum cleaner is not available.

In the *removal* of Insulfrax Pumpable materials the following procedures are recommended:

- a) All installation practices should be designed to minimise the liberation of any airborne fibre or dust.
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7. Handling & Storage cont'd:

- b) In large installations of several days/weeks duration, the installation area should be clearly designated and barriers erected to limit access.
- c) Upon completion of the job, all excess materials should be sealed in bags prior to removal from the designated work area. The work area should be vacuumed using an industrial vacuum cleaner. Wet mopping and wiping can be utilised if an industrial vacuum cleaner is not available.
- d) With prolonged operations above the recommended use limit of 1000oC, a small proportion of Insulfrax may transform to Wollastonite and disordered cristobalite warranting higher levels of dust control and respiratory protection.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits - Dry Product

Other Exposure Info. 0.5 fibre/ml for SMF; 2mg/m³ fumed silica (respirable dust); 10mg/m³ calcium aluminate cement (inspirable dust), (NOHSC 1995)

Personal Protection: The National Code of Practice for the Safe Use of Synthetic Mineral Fibres (NOHSC 1990) advises the use of the following PPE that for installation and removal of both bonded and unbonded glasswool materials.

- a) Disposable coveralls or long sleeve, loose fitting clothing and gloves (launderable clothing should be washed separately from other clothing).
- b) Where overhead work is involved, goggles and head covering should be worn; and

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8. Exposure Controls & Personal Protection cont'd:

c) A half-face (P1 or P2) respirator should be worn during work in enclosed or poorly ventilated spaces, or where evidence suggests that respirable fibre levels may exceed 0.5 f/ml.

All respiratory devices should be tested for compliance with AS/NZS 1715 & AS/NZS 1716.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Off-White fibrous paste, with no odour.
Melting Point	Not available
Boiling Point	Not applicable
Vapor Pressure	Not applicable
Specific Gravity	Not available
Flash Point	None
Flamm. Limit UEL	Not applicable
Volatile Component	Not applicable
Solubility in Water	Not available

OTHER PROPERTIES

Autoignition Temp.	None
Vapor Density	Not applicable
pH Value	5-6
Specific Properties or Risk	See 'Health Effects' section
Formula	Not applicable: Mixture
Molecular Weight	Not applicable: Mixture

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10. STABILITY & REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous Reactions Refer to SAFE HANDLING INFORMATION
Decomposition Products

11. TOXICOLOGICAL INFORMATION

Remaining components not determined to be hazardous and/or hazardous components present at less than 1.0% (0.1% for Worksafe Australia Cat. 1 & 2 carcinogens).

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Waste should be placed in containers, plastic bags or other methods which prevent fibre or dust emission, and disposed of in accordance with the local waste disposal authority requirements. There may be specific regulations at the Local, State or Federal level that pertain to this material.

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14. TRANSPORT INFORMATION

No special transport requirements are necessary.

UN Number	None Allocated
Shipping Name	None Allocated
DG Class	None Allocated
Packaging Group	None Allocated
Hazchem Code	None Allocated
Poisons Schedule	Not Scheduled
Product Use	High Temperature expansion joint mastic, insulating gap filler

15. REGULATORY INFORMATION

Risk Statement: R40 (3) Possible risk of irreversible effects. R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Statement: S22 Do not breathe dust. S52 Avoid contact with eyes. S38 In insufficient ventilation, wear suitable respiratory equipment. S40 To clean floor and all objects contaminated by this Material, use AS approved HEPA fitted vacuum cleaner. S36/37/39 Wear suitable protective clothing, gloves and eye/ Face protection.

Hazard Category: Harmful, irritant.

Poisons Schedule: Not scheduled.

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16. OTHER INFORMATION

Contact: During Business Hours Ph: +61 3 9463 0000

Customer Service Toll Free: Ph: 1300 797 888

Emergency / After Hours Contact: Alan Smith

Ph: 0409 288 916

References: Replaces MSDS dated 27 March 2007.

NOTICE: *The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practise any patented invention without licence. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.*

.....End of Report.....

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