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## MATERIAL SAFETY DATA SHEET

No Classification under EEC Directive 76/548/EEC  
Refer Worksafe Australia Classifying Clause 1.14.

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### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

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**Brand Name:** Insulfrax®

**Product Name:** Insulfrax® Board  
Insulfrax® H Board

**Other Names:** Carbowool Board  
Uniboard  
Uniblock  
Insulfrax Silplate 1112

**UN Number:** None  
**DG Class:** None  
**Manufacture's Product Code:** None  
**Hazchem Code:** None  
**Poisons Schedule:** None  
**Product Use:** Heat Resistant Insulating Product

**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 Information:** See page 5

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### 2. HAZARDS IDENTIFICATION

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**Flammability**  
**Fire Hazards:** Non flammable  
**Explosive Hazards:** Non explosive  
**Health Hazards:** Temporary irritation to eyes, skin, respiratory system and disturbances to Gastro intestines.

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### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	Name	CAS	Proportion
	Calcium Silicate	65997-17-3	> 90%
	Magnesia		
	Silica (amphorous)	7631-86-9	2 – 5%
	Starch	9005-25-8	2 – 5%

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### 4. FIRST AID MEASURES

<b>Ingestion:</b>	Drink plenty of water..
<b>Eye:</b>	Flush immediately with large amount of water.
<b>Skin:</b>	Rinse affected areas with water and soap. Do not use detergent.
<b>Inhalation:</b>	Remove exposed person/s from source of exposure to fresh air. Blow nose to evacuate fibres.
<b>ADVICE TO DOCTOR:</b>	Acute irritation and/or inflammation are due to mechanical action.

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### 5. FIRE FIGHTING MEASURES.

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

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### 6. ACCIDENTAL RELEASE MEASURES

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**Spills or Release To the Environment** Do not flush into drain. Prevent entry into waterways. Do not allow to be windblown. Use vacuum cleaning equipment fitted with HEPA filters to collect debris. Use dust extraction equipment. Avoid procedures that will generate airborne fibres.

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### 7. HANDLING & STORAGE

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**Storage Precautions:** Keep packaged in original packaging when not in use.

**Safe Handling:** Respirators, gloves & safety eye ware are recommended.

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### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

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<b>Exposure Limits:</b>	<b>Name</b>	<b>CAS No.</b>	<b>Exposure</b>
	Calcium Silicate Magnesia.	65997-17-3	TWA .5 f/ml **
	** National Occupational and Safety Commission - National Code of Practice for the safe use of Synthetic Fibers.		

**Personal Protection:** Respirators are recommended. All respirators used shall comply with the provisions of AS1715 and 1716. Gloves are recommended to avoid skin irritation. Safety eye ware is also recommended particularly for above head work.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

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**Appearance:** Bluish / White Board  
**Melting /Boiling Point:** >1330°C  
**Vapour Pressure** Not applicable  
**Specific Gravity** 2.0 – 3.0

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### 9. Physical & Chemical Properties cont'd:

<b>Flash Point</b>	None
<b>Flamm. Limit</b>	Not applicable
<b>Solubility in Water (g/L)</b>	< 0.1

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### 10. STABILITY & REACTIVITY

<b>Stability:</b>	Stable under normal conditions of use.
<b>Hazardous Reactions</b> <b>Decomposition Products</b>	Refer to SAFE HANDLING INFORMATION

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### 11. TOXICOLOGICAL INFORMATION

This Product was invented in 1992, no epidemiological or toxicological studies are available. Studies based on chemically similar fibre using lifetime nose only inhalation, showed no fibrosis or significant increase in lung tumours in exposed animals. In addition, lifetime studies with fiberglass show no irreversible effects.

As available, animal study results with Insulfrax fibre will be presented.

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### 12. ECOLOGICAL INFORMATION

Not available.

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### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal:</b>	Waste shall be placed in containers, plastic bags or other methods which will prevent Fiber and/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

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No special transport requirements are necessary.

<b>UN Number</b>	None Allocated
<b>Shipping Name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Packaging Group</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Poisons Schedule</b>	Not Scheduled

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### 15. REGULATORY INFORMATION

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**Risk Statement:** Irritation or soreness in throat and nose congestion may occur in extreme exposures.

**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

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**Contact:** During Business Hours Ph: +61 3 9463 7100

**Emergency / After Hours Contact:** Peter Willoughby  
Ph: 0409 288 917

**References:** Replaces MSDS dated 19/03/2012

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Unifrax Australia Pty. Ltd.

336 Settlement Road  
Thomastown, VIC 3074

ACN 093 625 757

Ph: (03) 9463 7100 Fax: (03) 9464 5472



INSULFRAX® BOARDS

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**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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