
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: Isofrax®
Product Name Isofrax® Board
Other Names Board
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 Details: See Page 6

2. HAZARDS IDENTIFICATION

Flammability
Fire Hazards: Non Flammable
Explosive Hazards: Not Explosive
Health Hazards: Irritating to eyes, skin, respiratory system and disturbances to Gastro intestines.

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	Name	CAS	Proportion
	Amorphous Magnesium Silicate		> 90%
	Silica (amphorous)	7631-86-9	2 - 5%
	Starch	9005-25-8	2 - 5%

4. FIRST AID MEASURES

Ingestion	Drink large volumes of water.
Eye	Flush eyes with water
Skin	Rinse affected areas with water and soap. Do not use detergent.
Inhalation	Remove to fresh air and blow nose to evacuate fibres.
First Aid Facilities	Eye wash facilities are recommended if eye contact is probable.
Advice to Doctor	Acute irritation and/or inflammation are due to mechanical action.

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.

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6. ACCIDENTAL RELEASE MEASURES

**Spills or Release
To the Environment**

Do not flush to drain. Prevent entry to 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.

7. HANDLING & STORAGE

Storage Precautions:

Keep packaged in original packaging when not in use.

Handling:

Use of protective clothing (ie gloves, clothing, glasses) to reduce possible irritation is recommended.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

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 eyewear is also recommended particularly for overhead work.

Exposure Controls:

<u>Name</u>	<u>CAS No.</u>	<u>Exposure</u>
Magnesia Silicate	65997-17-3	TWA 0.5 f/ml**

** National Occupational and Safety Commission - National Code of Practice for the safe use of Synthetic Fibres.

This product possesses a fiber chemistry within the regulatory (European Commission Directive 97/69/EC) definition as a "man-made vitreous (silicate) fiber with random orientation with alkaline oxide and alkaline earth oxide (Na₂O + K₂O + CaO + MgO + BaO) content greater than 18% by weight". Isofrax® fibers have been tested pursuant to

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8. Exposure Controls & Personal Protection cont'd:

EU protocol ECB/TM/26, rev. 7, Nota Q, Directive 97/69/EC. The results for the short term biopersistence test by inhalation (IH test) was 6 days; well below the regulatory

threshold of 10 days cited in Directive 97/69/EC. Based on testing results, Isofrax® based products are not regarded as potential carcinogens and they ARE EXEMPT from European classification as such. By virtue of these test results, these products ARE EXEMPT from European regulatory guidelines that require hazard warning labels with specific risk phrases citing respiratory disease potential. In addition, Isofrax® fibers have been tested in an independent laboratory, by intratracheal (IT test) instillation, under a protocol that was consistent with the requirements of the German Hazardous Substances Ordinance (BGBI. I pp. 1782, 2049, Third Amendment, Appendix V, No. 7). The half-life clearance of Isofrax® fibers was 32.7 days; well below the applicable regulatory thresholds. Based on the IT test results, Isofrax® products ARE EXEMPT from the requirements of the German Ordinance.

The definition of "irritant" contained in the hazard communication standard, 29 CFR 1900.1200, Appendix A, is "...a reversible inflammatory effect on living tissue by chemical action...". Isofrax® fiber is an inert material which doesn't interact chemically with exposed skin. However, there is a possibility that exposure to this product may cause temporary mechanical irritation to the eyes, skin or respiratory tract (nose, throat, lungs). This temporary irritation can be mitigated with proper handling practices designed to limit exposure and the use of protective clothing (glasses, gloves, clothing).

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Brownish/Cream Board
Boiling/Melting Point	>1260°C
Vapor Pressure	Not applicable
Specific Gravity	2.0 - 3.0
Flash Point	Not applicable
Flamm. Limit	Not applicable
Solubility in Water(g/L)	< 0.1

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10. STABILITY & REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous Reactions Refer to HANDLING INFORMATION
Decomposition Products

11. TOXICOLOGICAL INFORMATION

Not available.

12. ECOLOGICAL INFORMATION

Not Available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Place in plastic containers and dispose in accordance with local government provisions.

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

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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.

16. OTHER INFORMATION

- Contact:** During Business Hours Ph: +61 3 9463 7100
- Emergency / After Hours Contact:** Peter Willoughby
Ph: 0409 288 917

References: Replaces MSDS dated 19 March 2012

Unifrax Australia Pty. Ltd.

336 Settlement Road

Thomastown, VIC 3074

ACN 093 625 757

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



ISOFRAX® BOARD

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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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