
MATERIAL SAFETY DATA SHEET

Classified as Hazardous according to criteria of Worksafe Australia

1. IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name: KUB cement

Other Names CBS, CBSW, Refractory cement.

UN Number: None allocated
DG Classification: None allocated
Hazchem Code: None allocated
Poisons Schedule No: None allocated
Product Use: Refractory cement

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: See Page 6.

2. HAZARDS IDENTIFICATION

Flammability

Fire Hazards: Non flammable

Explosive Hazards: Non explosive

Health Hazards: Possible irritation to eyes, skin, respiratory system and disturbances to gastro intestines.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Alumina (Al ₂ O ₃)	1344-28-1	10-<30%
Calcium Aluminate Cement	65997-16-2	10-30%
Fumed Silica	7631-86-9	10-30%
Calcium Silicate	13983-17-0	10-30%

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3. Composition & Information on Ingredients cont'd:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Alumino silicate	1302-78-9	<10%
Total other non hazardous (each <1%)		0-5%

4. FIRST AID MEASURES

Ingestion	Drink water do not induce vomiting.
Eye	Flush continuously with water for 15 minutes, Eyelids to be held open, do not rub eyes.
Skin	If skin becomes irritated remove clothing wash areas of contact with soap and water. Using a skin cream or lotion may be helpful in reducing irritation.
Inhalation	Remove exposed person to fresh air.
Advice to Doctor	Treat symptomatically for irritant effects of liquid or dust.

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.

This material is non-combustible, use extinguishing media appropriate to surrounding fire.

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6. ACCIDENTAL RELEASE MEASURES

Spills and Leaks:

Pick up large quantities with a shovel and place in containers. Where possible, use a vacuum cleaner to clean up smaller spills.

7. HANDLING & STORAGE

Handling:

Wear rubber or PVC gloves and eye protection when handling product.

Storage:

Store in a cool dry place.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Standards:

<u>Name</u>	<u>TWA (NOHSC 1995, 1996)</u>
Clay	10 mg/m ³ inspirable dust
Colloidal amorphous silica	10 mg/m ³ inspirable dust
Ethylene glycol (vapour)	60 mg/m ³

Compliance with the dust exposure standard for the dried product should prevent impairment of respiratory function even over many years of exposure (NOHSC Exposure Standards, 14.26-14.29, 1995)

Chronic Health Effects:

Compliance with the exposure standard should prevent impairment of respiratory function even over many years of exposure (refer NOHSC Exposure Standards, 14.26-14.29, 1995)

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8. Exposure Controls & Personal Protection cont'd:

Engineering Controls: Where possible use local exhaust ventilation for handling dried product.

PERSONAL PROTECTION

Respiratory Protection: For the dried product, a half-face (P1 or P2) respirator should be worn during work in enclosed or poorly ventilated spaces, or where evidence suggests that dust levels may exceed the exposure standard. All respiratory devices should be tested for compliance with AS/NZS 1715 & AS/NZS 1716.

Eye Protection: Safety glasses, goggles or face-shield as appropriate.

Glove Type: Rubber or PVA.

Clothing: Overalls or similar protective apparel.

Footwear: Safety footwear as appropriate.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Aggregate and powder mix
Melting Point: >1800°C
Boiling Point: N/A
Vapour Pressure: N/A
Specific Gravity: ~2.5
Flash Point: N/A
Flammability Limits: N/A
Solubility in Water: Insoluble

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10. STABILITY & REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous Reactions Not combustible.
Decomposition Products

11. TOXICOLOGICAL INFORMATION

Not available

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Waste should be placed in containers, plastic bags or other methods which prevent liquid or dust emission, and disposed of in accordance with the local waste disposal authority requirements.

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, eye/
face protection and footwear.

Hazard Category: Harmful, irritant.

Poisons Schedule: Not scheduled.

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.

Unifrax Australia Pty. Ltd.

326 Settlement Road
Thomastown, VIC 3074

ACN 093 625 757

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



KUB CEMENT

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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.....