
MATERIAL SAFETY DATA SHEET

Classified as Hazardous according to criteria of Worksafe Australia

1. IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name: Zircon Wash

Other Names: Castcoat ZW
Zircoat W

UN Number: None allocated
DG Classification: None allocated
Hazchem Code: None allocated
Poisons Schedule Number: None allocated

Product Use: Refractory coating

Manufacturer/Supplier: Unifrax Australia Pty. Ltd.
(Manufactured for Unifrax Australia by other producers using similar products).

Contact: See page 6

2. HAZARDS IDENTIFICATION

Flammability

Fire Hazards: Non flammable

Explosive Hazards: Non explosive

Health Hazards: Irritating to eyes, skin, respiratory system.

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS	Proportion%
Zirconium Silicate	14940-68-2	> 60% Wt/Wt
Mineral clay	1302-78-9	< 10% Wt/Wt
PVA Polymer	25067-02-1	< 10% Wt/Wt
Water	7732-18-5	10-<30% Wt/Wt
Additives/preservative	Non-hazardous	< 1% Wr/Wt

4. FIRST AID MEASURES

- Ingestion:** Seek medical advice. Drink plenty of water DO NOT induce vomiting.
- Eye:** If this material gets into eyes, irrigate immediately and wash continuously for at least fifteen (15) minutes with fresh running water.
Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. If irritation continues contact a hospital without delay.
Removal of contact lenses after an eye injury should be undertaken by skilled personnel.
- Skin:** Wash affected areas with water and soap. Remove any adhering solids
Seek medical attention in the event irritation
- Inhalation:** Remove exposed person/s from source of exposure to fresh air. If symptoms persist, seek medical advice.
- ADVICE TO DOCTOR:** Treat symptomatically.

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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 or Release
To the Environment** Contain liquid spills within a bund, use absorbent such as soil and sawdust or vermiculite. Pick up large quantities with a shovel and place in containers.

7. HANDLING & STORAGE

Storage Precautions: Store in a cool dry place.

Safe Handling: Use gloves, eye protection and appropriate clothing & footwear.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Standards None assigned

**Engineering Controls
Ventilation** Use in a well ventilated or local exhaust ventilation required general exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances.

PERSONAL PROTECTION If inhalation risk of overexposure exists, wear SAA approved respirator (air purifying type).

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8. Exposure Controls & Personal Protection cont'd:

	SAA approved respirator (supplied air type) may be required in special circumstances. Correct is essential to ensure adequate protection
Respiratory Protection	General exhaust is adequate under normal operating conditions. If Inhalation risk of over exposure exists, wear SAA approved respirator (air purifying type)
Eye Protection	No special equipment needed when handling small quantities. Contact lenses may pose a special hazard, soft lenses may absorb irritants and concentrate them.
Skin	No special equipment needed when handling small quantities. Wear chemical protective gloves for prolonged contact. Always wash hands before smoking, eating, drinking or using the toilet.
Glove Type	Rubber or PVA.
Clothing	Overalls or similar protective apparel. Work clothes should be laundered separately.
Footwear	Safety footwear as appropriate.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Light Purple	Vapour Pressure:	N/A
Specific Gravity:	2.3 – 2.4 Kg/Lt	Solubility in Water:	Insoluble in water or alcohol. Can be diluted with water.
Melting Point:	N/A	(or Alcohol)	
Flash Point:	N/A		
Boiling Point:	100°C		
Flammability Limits:	N/A		

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10. STABILITY & REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous Reactions N/A
Decomposition Products

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

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

Unifrax Australia Pty. Ltd.

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15. REGULATORY INFORMATION

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.

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.....

Authorised by: Alan Smith
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