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## MATERIAL SAFETY DATA SHEET

Not classified as Hazardous according to criteria of Worksafe Australia

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### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

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**Product Name:** Zircon Wash

**Other Names:** Castcoat ZW  
Zircoat W

**UN Number:** None allocated  
**DG Classification:** None allocated  
**Hazchem Code:** None allocated  
**Poisons Schedule No:** 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

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### 2. HAZARDS IDENTIFICATION

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**Flammability**  
**Fire Hazards:** Non flammable

**Explosive Hazards:** Non explosive.

**Health Hazards:** Possible minor irritation to eyes and respiratory system.

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### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

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<b>Name</b>	<b>CAS</b>	<b>Proportion%</b>
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% Wt/Wt

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### 4. FIRST AID MEASURES

<b>Ingestion:</b>	Seek medical advice. Drink plenty of water DO NOT induce vomiting.
<b>Eye:</b>	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.
<b>Skin:</b>	Wash affected areas with water and soap. Remove any adhering solids. Seek medical attention in the event irritation.
<b>Inhalation:</b>	Remove exposed person/s from source of exposure to fresh air. If symptoms persist seek medical advice.
<b>ADVICE TO DOCTOR:</b>	Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES.

<b>Fire Explosion Hazard:</b>	Not Flammable and not explosive.
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**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** 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.

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### 7. HANDLING & STORAGE

**Storage Precautions:** Store in a cool dry place.

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

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### 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.

### 8. Exposure Controls & Personal Protection cont'd:

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<b>PERSONAL PROTECTION</b>	If inhalation risk of overexposure exists, wear SAA approved respirator (air purifying type). SAA approved respirator (supplied air type) may be required in special circumstances. Correct use is essential to ensure adequate protection.
<b>Respiratory Protection</b>	General exhaust is adequate under normal operating conditions. If Inhalation risk of over exposure exists, wear SAA approved respirator (air purifying type)
<b>Eye Protection</b>	No special equipment needed when handling small quantities. Contact lenses may pose a special hazard, soft lenses may absorb irritants and concentrate them.
<b>Skin</b>	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.
<b>Glove Type</b>	Rubber or PVA.
<b>Clothing</b>	Overalls or similar protective apparel. Work clothes should be laundered separately.
<b>Footwear</b>	Safety footwear as appropriate.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

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<b>Appearance:</b>	Light Purple	<b>Vapour Pressure:</b>	N/A
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<b>Specific Gravity:</b>	2.2 – 2.4 Kg/Lt	<b>Solubility in Water:</b>	Insoluble in water or alcohol. Can be diluted with water.
<b>Melting Point:</b>	N/A	<b>(or Alcohol)</b>	
<b>Flash Point:</b>	N/A		
<b>Boiling Point:</b>	100°C		
<b>Flammability Limits:</b>	N/A		

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### 10. STABILITY & REACTIVITY

**Stability:** Stable under normal conditions of use.

**Hazardous Reactions** N/A  
**Decomposition Products**

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### 11. TOXICOLOGICAL INFORMATION

N/A

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### 12. ECOLOGICAL INFORMATION

N/A

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### 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.

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### 14. TRANSPORT INFORMATION

No special transport requirements are necessary.

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<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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**Hazard Category:** Non-Hazardous.

**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:** Alan Smith  
Ph: 0409 288 916

**References:** Replaces MSDS dated 13<sup>th</sup> July 2009.

**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*

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**ZIRCON WASH**

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## **MATERIAL SAFETY DATA SHEET**

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*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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