

Safety Data Sheet

Fast Set Render



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Section 1.	Material Information
Product Name:	Fast Set Render
Manufacturer:	Ultratex Wall Cladding & Coating Pty Ltd
Recommended Use:	Rapid hardening, resistance to abrasion, mechanical shock, intermediate temperature exposure or where other high-performance properties are required of cement.
Emergency Contact:	131 126

This material is hazardous according to criteria of NOHSC.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Section 2.	Hazard Identification
Risk:	Irritating to respiratory system and skin. Risk of serious damage to eyes.
Harmful:	Contains crystalline silica, danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation.
Poison Schedule:	None allocated.

Section 3.	First Aid Measures
Inhalation:	Assure fresh air breathing. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort coughing or other symptoms persist.
Skin Contact:	Fresh cement: rinse immediately with plenty of water. Remove any contaminated clothing and footwear. Wash the clothing prior to its reuse. Seek medical attention in the event of chemical burns or irritation. Dry cement: eliminate from the skin. Rinse immediately with water.
Eye Contact:	Do not rub eye. Direct contact with product may cause corneal damage by mechanical stress. Make sure to remove the contact lenses. Contact ophthalmologist immediately.
Ingestion:	Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Give large quantities of water. Take medical advice immediately.
Notes to physician:	Treat symptomatically.

For advice, contact a Poisons Information Centre (Phone - Australia 131 126) or a doctor.

Section 4. Composition / Information of Ingredients

Components	CAS Number	Proportion

Section 5. Fire Fighting Measures

Extinguishing media:	Not flammable. Not explosive. Product will not support combustion of other materials. The product, when fire, allows the use of all extinguish media.
Reactivity in case of fire:	Product will not support combustion of other materials.
Advice for firefighters:	It poses no fire-related hazards. No need for special protective equipment for fire fighters. Protection during firefighting. No need for special protective equipment for fire fighters. Other information. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6. Accidental Release Measures

General measures:	No special measures required.
For non-emergency personnel:	Wear proper protective equipment.
For emergency responders:	Protective equipment: Where excessive dust may result, use approved respiratory protection equipment. Emergency procedures: Emergency procedures are not required.
Methods for cleaning up:	Collect spilled material and use it. Use dry cleanup methods such as vacuum clean-up or vacuum extraction (Industrial portable units, equipped with high efficiency particulate filters or equivalent technique), which do not cause airborne dispersion. Do not use compressed air for cleaning. Equip cleanup crew with proper protection. Minimize generation of dust. Avoid: Inhalation of dust. Collect spills and put it into appropriated container.

Section 7. Handling and Storage

Handling advice:	<p>Additional hazards when processed: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke in areas where product is used.</p> <p>Precautions for safe handling: Avoid dust dispersion. Do not sweep. Use dry cleanup methods such as vacuum clean-up or vacuum extraction (Industrial portable units, equipped with high efficiency particulate filters or equivalent technique), which do not cause airborne dispersion. Wear suitable gloves and eye/face protection. For (bagged) product used in open-ended mixers: first add the water and then carefully add the product.</p> <p>Keep the height of the fall low. Start the mixing smoothly. Do not compress empty bags, except when contained in another clean bag. Carrying product bags may cause sprains and strains to the back, arms, shoulders and legs. Handle with care and use appropriate control measures.</p> <p>Hygiene measures: Where excessive dust may result, wear approved mask. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.</p>
Storage advice:	<p>Storage conditions: Bulk product should be stored in silos that are waterproof, dry (internal condensation minimised), clean and protected from contamination. Engulfment hazard: To prevent burial or suffocation, do not enter a confined space, such as a silo, bin, bulk truck, or other storage container or vessel that stores or contains product without taking the proper security measures. Product can build-up or adhere to the walls of a confined space. The product can release, collapse or fall unexpectedly. Keep away from food, drink and animal feeding stuffs.</p> <p>Incompatible materials: Not established.</p>

Section 8. Exposure Controls / Personal Protection

Appropriate engineering controls:	Avoid all unnecessary exposure. Wash hands and other exposed areas with soap and water before leaving work. Wash clothing before re-using. During work avoid kneeling in fresh mortar or concrete wherever possible. If kneeling is absolutely necessary, then appropriate waterproof personal protective equipment must be worn.
Eye protection:	Use splash goggles when eye contact due to splashing of dust or grout is possible.
Skin and body protection:	Use impervious, abrasion and alkali resistant gloves. Use safety shoes resistant to chemical products. Closed long-sleeved protective clothing and additionally skin care products to protect the skin from prolonged contact.
Respiratory protection:	Where excessive dust may result, wear dust respirator.



Section 9. Physical and Chemical Properties	
Physical state:	Solid
Appearance:	Granular solid
Colour:	Grey
Odour:	odourless
pH:	≈ 11,5 (20°, 9:1 Water-Solid)
Relative evaporation rate (butyl acetate=1):	No data available
Melting point:	> 1250 °C
Boiling point:	Not Applicable
Flash point:	Not Applicable
Critical temperature:	Solid. Not flammable.
Auto-ignition temperature:	No pyrophoricity – no organo-metallic, organo-metalloid or organo-phosphine bindings or of their derivatives, and no other pyrophoric constituent in the composition.
Decomposition temperature:	No organic peroxide present.
Flammability (solid, gas)	Solid. Not flammable.
Vapour pressure:	Not Applicable
Vapour density:	Not Applicable
Relative density:	Not Applicable
Density:	3,1 - 3,3 g/cm ³ (20°C)
Solubility:	Water: 0,1 - 1,5 g/l (20°C)
Bulk density:	1,1 - 1,3 g/cm ³ (20°C)

Section 10. Stability and Reactivity	
Reactivity:	When mixed with water, Portland cement clinker will harden into a stable mass that is not reactive in normal environments.
Chemical stability:	Stable under use and storage conditions as recommended in section 7.

Possibility of hazardous reactions:	In contact with water produce alkaline substances.
Conditions to avoid:	Water, humidity.
Incompatible materials:	Acids. ammonium salts.
Hazardous decomposition products:	No additional information available

Section 11. Toxicological Information

Acute toxicity:	Not classified (In aqueous media the soluble fraction of the product is mainly composed by aluminum hydroxide, depending on pH, and calcium hydroxide)
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified (No evidence of mutagenic effects.)
Carcinogenicity:	Not classified (No carcinogenic effects known under normal conditions of use.)
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified (May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Overall, the pattern of evidence clearly indicates that occupational exposure to cement dust has produced deficits in respiratory function. However, evidence available at the present time is insufficient to establish with any confidence the dose-response relationship for these effects.)
Specific target organ toxicity (repeated exposure):	Not classified (The results of studies in various animal species (rats, rabbits, chickens, pigs) at percentages up to 5% of Clinker as a binder in diet for two months, showed that the Aluminous cement clinkers do not cause adverse effect on the zoological performance and the survival of animal at concentrations up to 5% Aluminous cement clinkers in their diet. The mean daily dose was calculated at approximately 130 mg/kg body weight.)
Aspiration hazard:	Not classified (Not applicable. Not used as an aerosol.)

Section 12. Ecotoxicological Information

The only species present in water is aluminium hydroxide. Presents no specific risk for the environment.

Section 13. Disposal Considerations

Avoid release to the environment. Prevent entry to sewers and public waters.

Section 14. Transport Information**Road and Rail Transport:**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport:

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport:

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Section 15. Regulatory Information**Classification:**

This material is hazardous according to criteria NOHSC.

Risk:

Irritating to respiratory system and skin.
Risk of serious damage to eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation.

Safety Precautions:

Do not breathe dust.
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Poisons Schedule:

None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other Information

This material safety data sheet has been prepared by Ultratex Wall Cladding & Coatings Pty Ltd - Technical Department

Reason(s) for Issue:

Revised MSDS

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ultratex cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Ultratex using the contact details on page 1. Ultratex Wall Cladding & Coatings Pty Ltd.'s responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request