

## FAST SET RENDER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Substance  
Trade name : FAST SET RENDER  
Chemical name : Cement, alumina, chemicals

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Aluminate cement clinker is intended for the production of cements with high alumina content and special aggregates (resistant to high temperature, abrasion and chemical corrosion).

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

ULTRATEX WALL CLADDING & COATING P/L  
15A Malcolm Crt Kealba  
VIC 3021  
+61 3 9364 4489

#### 1.4. Emergency telephone number

Emergency number : 131 126

### SECTION 2: Hazards identification

#### 2.1. Other hazards

Adverse physicochemical, human health and environmental effects: Aluminous cement clinker dust like any general dust may cause irritation of the respiratory system.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Comments : Contains neither soluble chromium VI (in excess of 2 ppm) nor crystalline silica.  
Hydraulic binder of these products is manufactured by fusion of a mixture exactly defined of aluminous and lime materials. It is composed mainly by calcium aluminates that, once hydrated, gives harden properties.

Chemical name : Cement, alumina, chemicals

#### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after 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.
- First-aid measures after 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.
- First-aid measures after 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.
- First-aid measures after 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.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory irritation. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung diseases.
- Symptoms/injuries after skin contact : Product may have an irritating effect on moist skin (due to transpiration or humidity) or may cause contact dermatitis after prolonged contact.
- Symptoms/injuries after eye contact : Do not rub eye. Rinse immediately with plenty of water. Consult an eye specialist.

### 4.3. Indication of any immediate medical attention and special treatment needed

No personal protective equipment is needed for first aid responders. First aid workers should avoid contact with wet Aluminous cement clinker or wet Aluminous cement clinker containing preparations. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable 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.

### 5.2. Special hazards arising from the substance or mixture

- Reactivity in case of fire : Product will not support combustion of other materials.

### 5.3. Advice for firefighters

- Precautionary measures fire : 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

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No special measures required.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear proper protective equipment. See Headings 7 and 8.

#### 6.1.2. For emergency responders

- Protective equipment : Where excessive dust may result, use approved respiratory protection equipment.
- Emergency procedures : Emergency procedures are not required.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- 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.

### 6.4. Reference to other sections

See Heading 8. See Heading 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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.

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.

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.

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.

### 7.2. Conditions for safe storage, including any incompatibilities

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.

Incompatible materials

: Not established.

### 7.3. Specific end use(s)

See Heading 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

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

### 9.1. Information on basic physical and chemical properties

Physical state

: Solid

Appearance

: Granular solid.

Colour

: Grey.

Odour

: odourless.

Odour threshold

: No data available

pH

:  $\approx 11,5$  (20°, 9:1 Water-Solid)

Relative evaporation rate (butyl acetate=1)

: No data available



Melting point	: > 1250 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
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. Not flammable.
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Density	: 3,1 - 3,3 g/cm <sup>3</sup> (20°C)
Solubility	: Water: 0,1 - 1,5 g/l (20°C)
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not applicable. Not explosive.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Bulk density : 1,1 - 1,3 g/cm<sup>3</sup> (20°C)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

When mixed with water, Portland cement clinker will harden into a stable mass that is not reactive in normal environments.

### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

### 10.3. Possibility of hazardous reactions

In contact with water produce alkaline substances.

### 10.4. Conditions to avoid

Water, humidity.

### 10.5. Incompatible materials

Acids. ammonium salts.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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 (Information given is based on data obtained from similar substances. (OECD 404)) pH: ≈ 11,5 (20°, 9:1 Water-Solid)
Serious eye damage/irritation	: Not classified (Information given is based on data obtained from similar substances. OECD 405) pH: ≈ 11,5 (20°, 9:1 Water-Solid)
Respiratory or skin sensitisation	: Not classified (Information given is based on data obtained from similar substances. OECD 406. Did not cause sensitisation)
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: Ecological information

#### 12.1. Toxicity

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

#### 12.2. Persistence and degradability

##### Cement, alumina, chemicals (65997-16-2)

Persistence and degradability	Not applicable. Inorganic material. After hydration, product lumps present no toxicity risks.
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#### 12.3. Bio accumulative potential

##### Cement, alumina, chemicals (65997-16-2)

Bio accumulative potential	Not applicable. Inorganic material. After hydration, product lumps present no toxicity risks.
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#### 12.4. Mobility in soil

##### Cement, alumina, chemicals (65997-16-2)

Ecology - soil	Not applicable. Inorganic material.
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#### 12.5. Results of PBT and vPvB assessment

##### Cement, alumina, chemicals (65997-16-2)

This substance/mixture does not meet the PBT criteria of REACH regulation

This substance/mixture does not meet the vPvB criteria of REACH regulation

#### 12.6. Other adverse effects

Other adverse effects : Not relevant.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Avoid release to the environment. Prevent entry to sewers and public waters.

Waste disposal recommendations : Not applicable. Recover and reclaim or recycle, if practical.



## SECTION 14: Transport information

### 14.1 Special precautions for user

**- Overland transport**

No data available

**- Transport by sea**

No data available

**- Air transport**

No data available

**- Inland waterway transport**

Not subjected to ADR : No

**- Rail transport**

Carriage prohibited (RID) : No

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**15.1.1. National regulations**

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:

PBT	Persistent Bio Accumulative Toxic
vPvB	Very Persistent and Very Bio accumulative
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.