



# SAFETY DATA SHEET

## FAST SET POWDER ADDITIVE

ISSUE DATE: 04/03/2020

ISSUE BY: AUSTRALASIAN  
TILING ADHESIVES PTY LTD

### 1. IDENTIFICATION

---

**Product Identifier**

FAST SET POWDER ADDITIVE

**Company Name**

AUSTRALASIAN TILING ADHESIVES PTY LTD (ABN 92 154 228 207)

**Address**

3 Progress Crt Laverton North  
Vic 3026 Australia

**Telephone/Fax Number**

Tel: 0418 943 097  
Fax: 03 9314 8343

**Emergency phone number**

0418 943 097

**Recommended use of the chemical and restriction on use**

Cement-based tile adhesives

### 2. HAZARD IDENTIFICATION

---

**Classification of this product**

Classified as Hazardous according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to Australia Code for the transport of Dangerous Goods by Road and Rail. (7<sup>th</sup> edition)

Acute Toxicity (Oral): Category 4

Eye Irritation: Category 2A

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H302 Harmful if swallowed.

AUH Repeated exposure may cause skin dryness and cracking.

H319 Causes serious eye irritation.

**Pictogram (s)**

Exclamation mark



**Precautionary statement – Prevention**

P270 Do not eat, drink or smoke when using this product.

P280 Wear protection gloves/protective clothing/eye protection/face protection

**Precautionary statement – Response**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

**Precautionary statement – Storage**

Not applicable

**Precautionary statement – Disposal**

P501 Dispose of contents/container in accordance with local regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

---

**Substances****Main ingredients**

CAS No.	Name	Amount
10043-52-4	Calcium Chloride Commercial material may contain up to 3% sodium chloride	> 85%

**4. FIRST AID MEASURES**

---

**Description of first aid measures****Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poison Information Centre or doctor, or for at least 15 minutes. Seek immediate medical attention.

**Skin contact**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Inhalation**

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

## 5. FIREFIGHTING MEASURES

---

### Suitable extinguishing media

There is no restriction on the type of extinguisher which may be used.  
Use appropriate fire extinguisher for surrounding environment.

### Special hazards arising from the substance or mixture

Fire Incompatibility	None known
Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area.
Fire/Explosion Hazard	Non-combustible. Not considered a significant fire risk, however containers may burn. Decomposition may produce toxic fumes of: <ul style="list-style-type: none"><li>• Hydrogen chloride, metal oxides.</li></ul> May emit poisonous fumes May emit corrosive fumes.
HAZCHEM	Not Applicable.

## 6. ACCIDENTAL RELEASE MEASURES

---

### Personal precautions, protective equipment and emergency procedures

Wear appropriate PPE protection. Use personal protective clothing and ensure adequate ventilation and air circulation. Avoid contact with skin and eyes.

### Environmental precautions

Do not release untreated into natural waterways. Cover any spilled material to prevent slip hazard and dispose of according to local regulations.

### Methods and material for containment and cleaning up

Minor Spills	Remove all ignition sources. Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact with the substance, by using protective equipment.
Major Spills	CAUTION: Advise personnel in area. Alert Emergency Services and tell them location and nature of hazard. Control personal contact by wearing protective clothing.

## 7. HANDLING AND STORAGE

---

### Precaution for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid spilling and use adequate ventilation.

### Protection against fire and explosion

No special precautions necessary with this product.

### Conditions of safe storage, including any incompatibilities

Keep container tightly closed and protect from extreme weather (freezing and heat) to maintain product homogeneity.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Not Available

## EMERGENCY LIMITS

Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
Calcium Chloride	Calcium Chloride	12mg/m <sup>3</sup>	130mg/m <sup>3</sup>	790mg/m <sup>3</sup>

### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from workers' breathing zone. If engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory protective, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand standard AS/NZS 1337 (series) Eye Protectors for industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical Resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Material is hygroscopic, absorbs moisture from surrounding air. Small white crystals, granules, or flakes. No odour. Soluble in water. Solution in water accompany by evolution of heat.
-------------------	--

<b>Physical state</b>	Divided Solid	<b>Relative density (Water=1)</b>	2.15
<b>Odour</b>	Not Available	<b>Partition coefficient n-octanol/water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	Not Available	<b>Decomposition temperature (°C)</b>	Not Available
<b>Melting point / freezing point (°C)</b>	772	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	>1600	<b>Molecular weight (g/mol)</b>	110.99
<b>Flash point (°C)</b>	Not Available	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Available	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available

<b>Lower explosive Limit (%)</b>	Not Available	<b>Volatile Component (%vol)</b>	Nil
<b>Vapour pressure (kPa)</b>	Negligible	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Miscible	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air=1)</b>	Not Available	<b>VOC g/L</b>	Not Applicable

## 10. STABILITY AND REACTIVITY

---

### Chemical stability

Unstable in presence of incompatible materials.

Product is considered stable.

Hazardous polymerisation will not occur

## 11. TOXICOLOGICAL INFORMATION

---

### Toxicology Information

Oral (rat) LD50: 1000mg/kg

#### Ingestion

Low toxicity material but ingestion may cause serious irritation of the mucous membrane and can burn the mouth and oesophagus due to heat of hydrolysis (exothermic reaction with water). Ingestion of large amounts may cause severe gastrointestinal tract irritation with burning sensation, nausea, vomiting, abdominal pain, diarrhoea and possible burns and gastrointestinal haemorrhage. In very severe cases, may affect cardiovascular system (cardiac disturbances, slow heart beat), behaviour (seizures), metabolism, blood, and brain, respiration (rapid respiration) and seizures, or death, may occur.

#### Inhalation

Granular material does not pose a significant inhalation hazard, but inhalation of dust may cause severe irritation of the nose, throat and the respiratory tract, with symptoms of coughing, sore throat, tachypnoea, dyspnoea and wheezing, with burning sensation and pain in nasal cavities, occasional nose bleeding and tickling in the throat, inflammation and possible burns. Cases of perforation of the nasal septum have also been reported. The substance can be absorbed into the body by inhalation of its aerosol.

#### Skin Contact

Solid may cause mild irritation on dry skin, erythema and peeling of facial skin; strong solutions or solid in contact with moist/wet skin may cause severe irritation, dry skin, itching, scaling, reddening, or, occasionally, blistering, with possible burns, swelling and pain. Risk of skin absorption.

#### Eye

Contact with eyes, particularly by dust, may cause severe irritation, possible transient corneal injury, and possible eye burns from heat of hydrolysis and chloride. Inflammation of the eye is characterized by redness, lacrimation, eye discharge, itching, stinging and blurring.

#### Chronic

Repeated or prolonged exposure to the substance can produce damage to the heart and cardiovascular system. Prolonged or repeated skin contact may lead to allergic contact dermatitis in some individuals. The skin may react by producing redness, irritation weals or pustules. The substance may have effects on the nasal mucous membrane, resulting in ulcerations. Chronic ingestion of calcium salts combined with alkali may result in milk-alkali syndrome. Hypercalcemia, alkalosis, and renal dysfunction are the primary effects seen. Hypochloremia and occasionally hypokalaemia may occur. Chronic ingestion resulting in mild hypercalcemia and renal dysfunction without severe neurologic signs (stupor, coma) (blood calcium level is increased, resulting in the precipitation of calcium in the kidney, which may cause renal damage) are readily reversible within a few days of discontinuation of calcium salts if treated early. Chronic ingestion resulting in symptomatic hypercalcemia may require specific therapy. Conjunctivitis due to chronic ingestion and calcium deposition is seen in the milk-alkali syndrome. Acute single ingestions of calcium salts have not caused this syndrome. Effects may be delayed.

## 12. ECOLOGICAL INFORMATION

---

### Toxicity

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Calcium Chloride	LC50	96	Fish	=3mg/L	1
	EC50	48	Crustacea	=52mg/L	1
	EC50	96	Algae or other aquatic plants	3130mg/L	4
	BCFD	48	Crustacea	0.083245mg/L	4
	NOEC	48	Crustacea	260.12mg/L	4
Legend	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) – Aquatic Toxicity Data (Estimated) 4. US EPA, ECOTOX database – Aquatic Toxicity Bioconcentration Data 8. Vendor Data				

### Persistence and degradability

Not available

### Bio accumulative potential

Not available

### Mobility in soil

Not available

## 13. DISPOSAL CONSIDERATION

---

Dispose of according to relevant local, state and federal government regulations.

## 14. TRANSPORT INFORMATION

---

### Label Required

No

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA/DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code/GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and IBC code

Not applicable

## 15. REGULATORY INFORMATION

---

### Regulatory Information

Listed in the Australian Inventory of Chemical Substances (AICS).

### Poisons Schedule

Not Scheduled

## 16. OTHER INFORMATION

---

### Date of preparation or last revision of SDS

SDS Created: March 2020

### Material:

The information contained herein is based on the present state of our knowledge and does not guarantee

certain properties. Recipients of our product must take responsibility for observing existing law and regulations.

**END OF SDS**