



## Winstone Gypsum™ ClayBreaker™ Safety Data Sheet

Revised 08/06/2012

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product name:** Winstone Gypsum™ ClayBreaker™  
**Recommended use:** Agricultural gypsum  
**Company:** Winstone Wallboards  
**Address:** P.O. Box 12 256  
Penrose 1642, Auckland, NEW ZEALAND  
**Telephone Number:** 09 633 0100  
**Emergency Contact Number:** 0800 POISON (0800 764 166)  
or for Emergency Services dial 111  
**Date of preparation:** 16<sup>th</sup> March 2010

### SECTION 2: HAZARDS IDENTIFICATION

**Hazard Classification:** N/A

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients composition:**

CHEMICAL NAME:	SYNONYMS:	PROPORTION:	CAS NUMBER:
Calcium Sulphate Dihydrate		100	10101-41-4

### SECTION 4: FIRST AID MEASURES

**Ingestion:** No harmful effects expected. If gastric disturbance occurs, call doctor.  
**Eyes:** Immediately flush thoroughly with water for 15 minutes, if irritation persists see doctor.  
**Skin:** Wash with mild soap and water.  
**Inhalation:** Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact doctor.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammability:** Non-flammable  
**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.  
**Hazards from combustion:** Non-combustible  
**Protective precautions and equipment for fire fighters:** Normal precautions and protections apply  
**HAZCHEM Code:** N/A



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### SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: N/A

### SECTION 7: HANDLING AND STORAGE

**Handling:** Product prone to shifting or settling in one ton bags, and to a lesser degree in 25 Kg bags. Check stacks of product after initial stacking for settling, and movement of stack, to avoid possible collapse of the stack. When transporting, do not stack one ton bags on each other, unless suitable tie downs are used, to stop movement should settling occur.

**Storage:** Packaged product should be kept dry and away from moisture. It is hygroscopic and tends to cake in moist environments.

**Incompatibilities:** Reduces violently when mixed with Aluminium Powder or Red Phosphorus at high temperature (>800 °C)

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Standards: N/A

Engineering Controls: N/A

#### PERSONAL PROTECTION

**Skin Protection:** Primary route of entry would be via inhalation; Eye and/or Skin contact.

**Eye & Respiratory Protection:** During general handling a two-strap type dust mask is suitable. During milling or grinding of material use of an approved cartridge type mask is recommended. General ventilation should be present when handling product.

Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma maybe aggravated

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Off White to Grey Powder

**Odour:** Low odour

**pH, at stated concentration:** 7.5 – 8.5

**Vapour Pressure:** N/A

**Vapour Density:** N/A

**Boiling Point/Range (°C):** N/A

**Freezing/Melting Point (°C):** 1450 °C – decomposes

**Solubility in water:** 2.41 g/L @ 20°C

**Specific Gravity (H<sub>2</sub>O = 1):** 2.3 – 2.6

**FLAMMABILITY:** Non-flammable

#### ADDITIONAL PROPERTIES

**Evaporation Rate:** Nil

**% Volatiles:** Nil

**Volatile Organic**

**Compounds Content:** Nil



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### SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	N/A
<b>Hazardous Decomposition:</b>	At extreme temperature (above 1450 C) will form sulphur dioxide, as the sulphur content burns.
<b>Conditions to avoid:</b>	Reduces violently when mixed with Aluminium Powder or Red Phosphorus at high temperature (>800 °C)
<b>Hazardous polymerization:</b>	Nil

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Health Effects: Acute (short term)</b>	
<b>Swallowed:</b>	Harmful effects expected. If gastric disturbance occurs, call doctor.
<b>Skin:</b>	Wash with mild soap and water.
<b>Health Effects: Chronic (long term)</b>	N/A

### SECTION 12: ECOLOGICAL & INFORMATION

<b>Eco-toxicity:</b>	Is water soluble. Will raise sulphate levels in water, if the volume of gypsum to water is very high.
<b>Persistence and Degradability:</b>	N/A
<b>Mobility:</b>	As dust can be transported considerable distances by wind. As small particles can be transported in waterways. One ton bags of gypsum can "settle" causing load movement during transportation, if not tied down appropriately.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal Information:</b>	To standard landfill
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### SECTION 14: TRANSPORT INFORMATION

<b>DG Class:</b>	N/A
<b>Subsidiary Risk 1:</b>	N/A
<b>Packaging Group:</b>	N/A
<b>HAZCHEM code:</b>	N/A
<b>Marine Pollutant:</b>	Gypsum occurs naturally in sea water, and is deposited by the evaporation of sea water in low lying areas, usually under a layer of salt. Would not be considered to be a pollutant.
<b>Special Precautions for User:</b>	Minimise exposures in accordance with good hygiene practice. During handling wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.

### SECTION 15: REGULATORY INFORMATION

N/A

### SECTION 16: OTHER INFORMATION

- END OF SDS -