



## Safety Data Sheet

### Winstone Gypsum<sup>®</sup>, ClayBreaker<sup>™</sup>, Gypsum Soil Life<sup>®</sup>.

Revised 9/03/2018

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

**Product names:** Winstone Gypsum<sup>®</sup>, ClayBreaker<sup>™</sup>, Gypsum Soil Life<sup>®</sup>.

**Recommended use:** Agricultural gypsum.

**Company** Winstone Wallboards

**Address:** P.O. Box 12 256, Penrose 1642, Website: [www.gypsum.co.nz](http://www.gypsum.co.nz)  
37 Felix Street, Penrose, 1061  
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:** 9 March 2018

#### SECTION 2: HAZARDS IDENTIFICATION

**Hazard Classification:** Non Hazardous.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### Ingredients composition:

CHEMICAL NAME:	SYNONYMS:	PROPORTION:	CAS NUMBER:
Calcium Sulphate Dihydrate *		>90%	10101-41-4
Calcium Carbonate *		<10%	471-34-1

\* contains a small quantity of crystalline silica (quartz). The average crystalline silica (quartz) content of the final product is less than 0.1%.

#### SECTION 4: FIRST AID MEASURES

**Ingestion/Swallowed:** No harmful effects expected. No specific recommendation. If gastric disturbance occurs, call doctor. If ingested in large quantities, may result in obstruction of the gut, especially the pyloric region.

**Eyes:** Immediately flush thoroughly with water for 15 minutes, if irritation persists see doctor. Direct contact can cause mechanical irritation of eyes. If symptoms persist or develop, consult a doctor.

**Skin:** Rinse with water, then wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing. If irritation persists, contact a doctor.

**Inhalation of dust:** 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 a doctor.



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#### SECTION 5: FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non-flammable. Not combustible under normal conditions of storage and use.
<b>Suitable extinguishing media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Hazards from combustion:</b>	Non-combustible.
<b>Protective precautions and equipment for fire fighters:</b>	Normal precautions and protections apply. Appropriate fire-fighting equipment is required.
<b>HAZCHEM Code:</b>	Not allocated.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	Wear appropriate protective equipment. Shovel material from spillage into a waste container for disposal.
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#### SECTION 7: HANDLING AND STORAGE

<b>Handling:</b>	Product prone to shifting or settling in one tonne bags, and to a lesser degree in 8, 10 or 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 tonne bags on each other, unless suitable tie downs are used, to stop movement should settling occur.
<b>Storage:</b>	Packaged product should be kept dry and away from moisture. It is hygroscopic and tends to cake in moist environments.
<b>Incompatibilities:</b>	Reduces violently when mixed with Aluminium Powder or Red Phosphorus at high temperature (>800°C).

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Workplace Exposure Standards:</b>	Minimize dust generation and accumulation.
<b>Engineering Controls:</b>	Work in well ventilated areas. Use of dust masks and exhaust ventilation is advised to keep dust levels below permissible exposure limits.

#### PERSONAL PROTECTION

<b>Skin Protection:</b>	Primary route of entry would be via inhalation; Eye and/or Skin contact.
<b>Eye &amp; Respiratory Protection:</b>	<p>Wear appropriate eye protection and dust masks. 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.</p> <p>Direct, prolonged or repeated contact with skin can result in abrasions. Rinse with water until free of material to avoid abrasions, then wash skin thoroughly with mild soap and water. May dry skin. If irritation persists, consult a doctor. Clean protective clothing is advised. Wash exposed areas well after work and apply lotion to prevent skin from drying.</p> <p>Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma may be aggravated.</p>



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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Off White to Grey Powder
<b>Odour:</b>	Low odour
<b>pH, at stated concentration:</b>	7.5 – 8.5
<b>Vapour Pressure:</b>	N/A
<b>Vapour Density:</b>	N/A
<b>Boiling Point/Range (°C):</b>	N/A
<b>Freezing/Melting Point (°C):</b>	1450°C – decomposes
<b>Solubility in water:</b>	2.41 g/L @ 20°C
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	2.3 – 2.6
<b>FLAMMABILITY:</b>	Non-flammable

#### ADDITIONAL PROPERTIES

<b>Evaporation Rate:</b>	Nil
<b>% Volatiles:</b>	Nil
<b>Volatile Organic Compounds Content:</b>	Nil

#### SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable.
<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>	Will not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### Health Effects: Acute (short term)

**Swallowed:** No harmful effects expected. If gastric disturbance occurs, call doctor.

**Skin:** Dryness of skin. Wash with mild soap and water.

**Health Effects: Chronic (long term)** Prolonged exposure and inhalation to air borne free respirable crystalline silica can result in lung disease (i.e. silicosis) and/or lung cancer.

#### SECTION 12: ECOLOGICAL AND INFORMATION

**Ecotoxicity:** Is water soluble. Will raise sulphate levels in water, if the volume of gypsum to water is very high.

**Persistence and Degradability:** N/A

**Mobility:** As dust can be transported considerable distances by wind. As small particles can be transported in waterways. One tonne bags of gypsum can "settle" causing load movement during transportation, if not tied down appropriately.

#### SECTION 13: DISPOSAL CONSIDERATIONS



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**Disposal Information:** To standard landfill

#### SECTION 14: TRANSPORT INFORMATION

**DG Class:** Not regulated.  
**Subsidiary Risk 1:** Not regulated.  
**Packaging Group:** Not regulated.  
**HAZCHEM code:** Not regulated.

**Marine Pollutant:** 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.

**Special Precautions for User:** 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

Not regulated.

#### SECTION 16: OTHER INFORMATION

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