



Safety Data Sheet

Winstone Gypsum[®], ClayBreaker[™], Gypsum Soil Life[®].

Revised 9/03/2023

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

Product names:	Winstone Gypsum [®] , ClayBreaker [™] , Gypsum Soil Life [®] .	
Recommended use:	Agricultural gypsum, nutrient supplement for cows, home garden.	
Company	Winstone Wallboards	
Address:	P.O. Box 12 256, Penrose 1642, 37 Felix Street, Penrose, 1061 Auckland, NEW ZEALAND	Website: www.gypsum.co.nz
Telephone Number:	09 633 0100	
Emergency Contact Number:	0800 POISON (0800 764 166) or for Emergency Services dial 111	
Date of preparation:	9 March 2023	

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 if a small quantity is ingested accidentally. 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

Flammability:	Non-flammable. Not combustible under normal conditions of storage and use.
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. Appropriate fire-fighting equipment is required.
HAZCHEM Code:	Not allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Handling:	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 bags in the stack. When transporting, do not stack one tonne bags on each other, unless suitable tie downs are used, to prevent 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:	Minimize dust generation and accumulation.
Engineering Controls:	Work in well ventilated areas. Use of dust masks and exhaust ventilation is advised to keep dust levels below permissible exposure limits.

PERSONAL PROTECTION

Skin Protection:	Primary route of entry would be via inhalation; Eye and/or Skin contact.
Eye & Respiratory Protection:	<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.</p> <p>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

Appearance:	Off White to Grey Powder
Odour:	Low odour
pH, at stated concentration:	6.5 – 7.5
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 (H₂O = 1):	1.1 – 1.6
FLAMMABILITY:	Non-flammable

ADDITIONAL PROPERTIES

Evaporation Rate:	Nil
% Volatiles:	Nil
Volatile Organic Compounds Content:	Nil

SECTION 10: STABILITY AND REACTIVITY

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