

Safety Data Sheet

Gypsum

Revised: 4/05/2018

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

Product Name: Gypsum
Other Names: Calcium sulphate dihydrate
Product Code: 0140000 & 0130010
Recommended Use: Agricultural gypsum
Company Identification: Ravensdown Fertiliser
Address: 292 Main South Road, Hornby, Christchurch 8042
 PO Box 1049, Christchurch 8011
Customer Centre: 0800 100 123
National Poisons Information Centre: 0800 POISON (0800 764 766)
Emergency Phone Number: 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone Number: 111 - tell operator what service is needed: Fire, Ambulance or Police

Section 2: HAZARDS IDENTIFICATION

Hazard Classification: N/A

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients composition:

INGREDIENT	PROPORTION:	CAS No.
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

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	N/A
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Section 7: HANDLING AND STORAGE

Handling:	Product prone to shifting and settling in one tonne bags, and to a lesser degree in 25kg 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.
Storage:	Packaged product should be kept dry and away from moisture. It is hygroscopic and tends to cake in moist environments.
Incompatibilities:	Reduce violently when mixed with Aluminum Powder or Red Phosphorus at high temperature (>800°C)

Section 8: EXPOSURE CONTROL/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 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 ₂ O = 1):	2.3 – 2.6
FLAMMABILITY:	Non-flammable

ADDITIONAL PROPERTIES

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

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	N/A
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 Aluminum Powder or Red Phosphorus at high temperature (>800 °C)
Hazardous Polymerisation:	Nil.

Section 11: TOXICOLOGICAL INFORMATION

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

Section 12: ECOLOGICAL 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 INFORMATION

Disposal Information: To standard landfill

Section 14: TRANSPORT INFORMATION

DG Class: Not a Dangerous Good
Packaging Group: Not Applicable
HAZCHEM code: Not Applicable
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 Precaution 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

N/A

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.