

SAFETY DATA SHEET

PRODUCT NAME: GYPSUM GRANULAR

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Recommended use: Soil amendment; fertiliser
Other Names: N/A
Supplier: Baileys Fertilisers
Address: 24 Beach St
 Kwinana Beach
 Western Australia 6167
Telephone: (08) 9439 1688 (Monday to Friday: 8.00am – 5.00pm)
Emergency Contact: Poisons Information Centre on 13 11 26
Facsimile: (08) 9439 1068
Email: baileys@baileysfertiliser.com.au
Website: baileysfertiliser.com.au

2. HAZARD IDENTIFICATION

1. GHS Classification: Not classified as hazardous according to Australian Criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

2. Signal Word: NONE

3. Hazard Category(s): None

4. Hazard Symbol: None

5. Hazard Statement(s): None

6. Precautionary Statements:

Prevention: P102: Keep out of reach of children.
 P261: Avoid breathing dust.
 P262: Do not get in eyes, on skin, or on clothing.
 P281: Use Personal Protective Equipment (PPE) as required

Response: P353: Rinse skin or shower with water
 P301, P330, P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P370, P378: Not combustible. Extinguish with media suited to burning materials.

Storage: P402: Store in a dry place.

Disposal: P501: If recycling or reclaiming is not possible, use a commercial waste disposal service.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Calcium Sulphate Dihydrate	10101-41-4	> 90
Calcium Sulphate Anhydrous	7778-18-9	< 3
Limestone	1317-65-3	< 3

4. FIRST AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present. If irritation persists, seek medical advice.

Skin Contact: If skin or hair contact occurs, wash with soap and water. Use lotion for dry skin. If swelling, redness, blistering or irritation occurs, seek medical assistance.

SAFETY DATA SHEET

- Inhalation:** Remove victim from exposure to fresh air, avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
- Ingestion:** Thoroughly rinse mouth with water. And do not induce vomiting. If large amounts are ingested, contact Poisons Information, or seek medical attention.
- First Aid Treatment and note to physician:** Treat symptomatically.

5. FIRE FIGHTING MEASURES

- Flammability:** Non-combustible material.
- Extinguishing Media:** This material is non-combustible. However, if the material is involved in a fire use water fog (or if unavailable fine water spray), or whatever extinguishing medium is appropriate to the adjacent material that's on fire.
- Special Fire Fighting Instructions:** Evacuate area and contact emergency services. No fire decomposition products are not expected from this product at the temperatures normally achieved in a fire. However, in higher-than-normal temperatures and thermal decomposition may lead to the release of irritating gases and vapours such as carbon oxides or toxic vapours. Use normal procedures. Use waterfog to cool intact containers and nearby storage areas.
- Hazchem Code:** None allocated.

6. ACCIDENTAL RELEASE MEASURES

- Small Spills:** Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
- Large Spills:** Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work upwind or increase ventilation. Cover with damp absorbent (moisten with water; absorbent should be inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred (or could occur after rain) advise local emergency services.
- Environmental precautions:** Prevent product from entering drains and waterways.

SAFETY DATA SHEET

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust.

Conditions for safe storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.

Specific end use(s): No information provided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Calcium sulphate	-	10	-	-	-
Fumed silica (respirable dust)	-	2	-	-	-
Silica Amorphous – Fumed silica (respirable dust)	-	2	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, DUST MASK. (minimum Class P2 Particulate respirator)

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, chemical goggles, dust mask. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Work Hygienic Practices: Do not eat, drink or smoke when using this product. Do not ingest. Avoid contact with eyes and prolonged or repeated contact with skin. Wash thoroughly after handling. Remove contaminated clothing and shoes immediately and rinse with plenty of water.

SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to grey powder.
Odour	Characteristics.
Flash Point	Not relevant.
Boiling Point	Not available.
Melting Point	Not available.
Decomposition Point	Not available.
pH	Not available.
Bulk Density	2.6-2.75 g/cm ³
Solubility (water)	Slightly soluble

10. STABILITY AND REACTIVITY

Chemical stability:	This material is thermally stable when stored and used as directed.
Possibility of hazardous reactions:	No known hazardous reactions.
Conditions to avoid:	Avoid storage with combustible substances where practical.
Hazardous decomposition products:	Oxides of calcium and phosphorus. May evolve toxic gases (sulphur oxides) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this SDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute toxicity:	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Skin:	Contact with skin may result in irritation.
Eye:	A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Inhalation:	Material may be an irritant to mucous membranes and respiratory tract.
Sensitisation:	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
Mutagenicity:	No evidence of mutagenic effects.
Carcinogenicity:	This product contains crystalline silica (quartz) at levels below 0.1% w/w, which is below the threshold for classification under GHS. Prolonged and repeated inhalation of respirable crystalline silica dust at higher concentrations has been associated with lung disease, including silicosis and lung cancer. Due to the low concentration and minimal dust generation under normal use, the risk of exposure is considered negligible.
Reproductive:	No evidence of reproductive effects.
Chronic effects:	Ingestion of large quantities may result in serious disturbances in calcium metabolism.
STOT – single exposure:	This material has been classified as non-hazardous.
STOT – repeated exposure:	Not classified. Crystalline silica may cause damage to lungs through prolonged or repeated inhalation at higher concentrations, but the product does not contain sufficient levels to warrant classification.
Aspiration:	Not relevant.

SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Product is naturally occurring and therefore unlikely to be a danger to the environment. Avoid contamination of drains, sewers, or waterways.

Ecotoxicity: Acute toxicity estimate (based on ingredients): > 100mg/L

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

Environmental fate: Prevent entry into drains and waterways. Product may act as a plant nutrient and cause eutrophication.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal: Collect and place in sealable containers and dispose of to an approved landfill site. Contact the manufacturer / supplier for additional information (if required).

Special Precautions for Land Fill: Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG or IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (IATA / ICAO)
UN Number	None allocated.		
Proper Shipping Name	None allocated.		
Transport Hazard Class	None allocated.		
Packing Group	None allocated.		
Hazchem Code	None allocated.		

15. REGULATORY INFORMATION

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substance [NOHSC: 1008(2004)].

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

SAFETY DATA SHEET

16. OTHER INFORMATION

Disclaimer

This document has been prepared by Baileys Fertilisers and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

While Baileys Fertilisers has taken all due care to include accurate and up to date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Baileys Fertilisers accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

As the use of the products described in this document is outside the control of Baileys Fertilisers, we make no representation or warranty concerning the suitability or fitness of this product for any purpose. It is your sole responsibility to ensure that the product will have the qualities and attributes that will make them fit for any ordinary or special purpose required of them, even if that purpose is made known to us at any time. This includes responsibility on your part to conduct in a timely manner all appropriate tests and quality checks on the product and any goods made from them. We disclaim any liability if any products are not suitable or fit for any such purpose.

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End of SDS