

SAFETY DATA SHEET

PRODUCT NAME: **3.1.1. GRANULATED;
3.1.1. PLUS**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Other Name(s): 3.1.1. Mini; 3.1.1. Premium
Recommended use: Granulated Fertiliser.
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:** Hazardous according to Australian Criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).
- 2. Signal Word:** **Warning**
- 3. Hazard Category:** Skin Irritation Category 3
Eye Irritation Category 2
Single Target Organ Toxicity (Repeated Exposure) Category 2
Aquatic Toxicity (Acute) Category 3
Aquatic Toxicity (Chronic) Category 3
- 4. Hazard Symbol:**



- 5. Hazard Statement:** H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

6. Precautionary Statements:

- Prevention: P260 Do not breathe dust.
P264 Wash hands, face and other exposed body parts thoroughly after handling.
P280 Wear eye protection / face protection.
- Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice / attention if you feel unwell.

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P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage: N/A

Disposal: P501 Dispose of contents/container in accordance with local/ national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Ammonium sulphate*	7783-20-2	50 - 65
Iron Sulphate	7720-78-7	0 - 2
Manganese Sulphate	7785-87-7	0 - 2
Non-hazardous materials	N/A	Remainder

*Note: Ammonium sulphate contains the following impurities at levels in the finished product that contribute to hazard classification:

Chemical Name	CAS Number	Contents % w/w
Cobalt Sulphate	10124-43-3	< 0.055
Nickel Sulphate	7786-81-4	< 0.045

4. FIRST AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

Skin Contact: Wash with soap and water. Seek medical attention in event of irritation.

Inhalation: Remove from exposure and if irritation persists, seek medical attention.

Ingestion: Rinse and wash mouth with water. Seek medical attention if abdominal symptoms occur. Poison Information Centres (13 11 26) can provide additional assistance.

First Aid Treatment and note to physician: Treat symptomatically. Skin abrasions and sores may be aggravated by exposure. Inhalation of dust may aggravate asthma.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable product.

Extinguishing Media: Use an extinguishing media suitable to the surrounding fire. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

Fire/Explosion Hazard: Non-combustible solid.

Hazchem Code: Not available.

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear suitable protective clothing and personal protection. Carefully sweep up and shovel into suitable containers for reuse/recycle or disposal.

7. HANDLING AND STORAGE

Handling: Use as instructed, ensuring safe work practices are followed that avoid eye or skin contact, or inhalation.

Storage: Store in a cool, dry well-ventilated area, away from alkaline materials.

Other information: Product is hygroscopic. Contact with moisture is likely to cause handling and corrosion problems.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standard:	10 mg/m ³ nuisance dust.
Engineering Controls:	Ensure adequate natural ventilation, and manage dust levels.
Personal Protection:	Wear gloves, protective clothing and safety glasses with side shields. In dusty conditions, use a respirator of class P1 or P2 for dust.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white, pale pink to light brown spherical granules.
Bulk Density:	Approximately 750 - 850 kg/m ³ .
Odour:	Mild odour.
pH:	Not applicable.
Boiling Point:	Not applicable.
Melting Point:	Not available.
Vapour pressure:	Negligible at ambient temperatures.
Flash point:	Non-flammable.
Flammability limits:	Non-flammable.
Solubility in water:	Slightly soluble in water.
Other:	None.

10. STABILITY AND REACTIVITY

Chemical Stability:	Material is stable under normal storage and handling conditions.
Conditions to avoid:	Extreme heat.
Incompatible materials:	Incompatible with oxidizing agents, and alkaline products.
Decomposition products:	May evolve toxic gases such as sulphur oxides, nitrogen oxides, and ammonia.
Hazardous reactions:	Hazardous polymerization reactions will not occur.

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:

Ingestion:	Swallowing may result in irritation of the gastrointestinal tract.
Eye contact:	Exposure to dust may cause discomfort due to particulate nature. May cause irritation to the eyes.
Skin contact:	Repeated or prolonged skin contact may lead to irritation.
Inhalation:	Breathing in dust may result in respiratory irritation.
Sensitization hazard:	Not classified as a skin sensitiser.
Long Term Effects:	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity:	Not classified as a carcinogen.
Mutagenic Data:	Not classified as a mutagen.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways, product contains components that cause acute and chronic toxicity in aquatic environments. Nutrients in water sources may cause excessive algal growth.

Persistence and degradability: This product is a fertiliser and will react in the soil as such.

Mobility: Fertiliser nutrients are soluble and will leach in soil, and dissolve/disperse in water.

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with local regulations, to an approved landfill site. Do not incinerate.

14. TRANSPORT INFORMATION

UN Number:	N/A	UN Proper Shipping Name:	N/A	Class and Subsidiary Risk(s):	N/A
Packing Group:	N/A	Special precautions for user:	None	Hazchem code:	N/A

15. REGULATORY INFORMATION

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

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.

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Date 01/11/2023
End of SDS