

SAFETY DATA SHEET

PRODUCT NAME: **3.1.1 GRANULATED**
 3.1.1 GRANULATED + GROSORB
 3.1.1 PLUS

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Other Name(s): None
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 2B
 Specific Target Organ Toxicity (Single Exposure) Category 3
 Acute Oral Toxicity Category 5
 Chronic Aquatic Toxicity Category 3
 Acute Aquatic Toxicity Category 3

3. Hazard Symbol:



4. Hazard Statement: H316 Causes mild skin irritation.
 H320 Causes eye irritation.
 H335 May cause respiratory irritation.
 H303 May be harmful if swallowed.
 H402 Harmful to aquatic life.
 H412 Harmful to aquatic life with long lasting effects.

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6. Precautionary Statements:

- Prevention: P261 Avoid breathing dust.
P264 Wash hands and skin thoroughly after handling.
P271 Use only outdoors or in a well ventilated area.
P280 Wear protective gloves / respiratory protection / eye protection.
- Response: P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a Poison Centre or doctor / physician if you feel unwell.
- Storage: P405 Store locked up.
- Disposal: P501 Dispose of contents/container in accordance with local or national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Iron Sulphate	7720-78-7	1 - 2
Manganese Sulphate	7785-87-7	1 - 2
Non-hazardous materials	N/A	Remainder

4. FIRST AID MEASURES

- Eye Contact:** Irrigate immediately with cold running water and if irritation persists, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- 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.
- Medical Attention and Special Treatment:** 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:** Water spray or dry powder, foam and carbon dioxide extinguisher. 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, including a dust mask or respirator if dust is likely to be created. Prevent from entering waterways or other aquatic environments if possible. Carefully sweep up and shovel into suitable containers for reuse/recycle or disposal.

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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.

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, safety boots, protective clothing and safety glasses with side shields. When dust is likely to be generated, use a respirator of class P1 or P2 for dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Beige – dark grey spherical granules.
Odour:	Mild odour.
Odour Threshold:	Not applicable.
pH:	Not applicable.
Melting / Freezing Point:	Not applicable.
Boiling Point:	Not applicable.
Melting Point:	Not available.
Flash Point:	Non-flammable.
Evaporation Rate:	Not applicable.
Flammability limits:	Non-flammable.
Vapour pressure:	Negligible at ambient temperatures.
Solubility in water:	Reasonably soluble in water.
Other:	
Bulk Density:	800 - 900 kg/m ³ .

10. STABILITY AND REACTIVITY

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 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, followed by vomiting.
Eye contact:	Exposure to dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

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Skin contact:	Repeated or prolonged skin contact may lead to irritation.
Inhalation:	Breathing in dust may result in respiratory irritation.
Sensitisation hazard:	Not classified as a sensitiser.
Long Term Effects:	No information available for the product.
Carcinogenicity:	Not classified as a carcinogen.
Mutagenic Data:	Not classified as a mutagen.

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.
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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).
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16. OTHER INFORMATION

Additional Information	<p>EXPOSURE STANDARD – TIME WEIGHTED AVERAGE: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increases the exposure period and shorten the period of recuperation).</p> <p>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> <p>HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including; form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment</p>
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used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number – used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No – European Community Number
EMS	Emergency Schedules (Emergency Procedure for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline)
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

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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End of SDS