

# SAFETY DATA SHEET

**PRODUCT NAME: TRACE ELEMENT GRANULES**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Other Name(s):** NA  
**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:** **DANGER**
- 3. Hazard Category(s):** Eye Damage Category 2  
Skin Irritation Category 2  
Reproductive Toxicity Category 1B  
Single Target Organ Toxicity (Repeated Exposure) Category 2  
Acute Toxicity (Oral) Category 4  
Acute Aquatic Toxicity Category 1  
Chronic Aquatic Toxicity Category 1

**3. Hazard Symbol(s):**



- 4. Hazard Statement(s):** H319: Causes serious eye irritation  
H315: Causes skin irritation  
H360: May damage fertility or the unborn child  
H373: May cause damage to organs through prolonged or repeated exposure  
H302: Harmful if swallowed  
H400: Very toxic to aquatic life  
H410: Very toxic to aquatic life with long lasting effects

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### 6. Precautionary Statements:

- Prevention: P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash hands, face and other exposed body parts thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273: Avoid release to the environment  
P280 Wear eye protection/face protection and protective gloves.
- Response: P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you fell unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P310 Immediately call a POISON CENTRE or doctor/physician.  
P314 Get medical advice/attention if you feel unwell.  
P321 Specific treatment (see first aid section).  
P330 Rinse mouth.  
P332 + P313: If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.
- Storage: P405 Store locked up.
- Disposal: P501 Dispose of contents/container in accordance with local/national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Iron Sulphate	7720-78-7	40 – 60
Manganese Sulphate	7785-87-7	5 – 10
Copper Sulphate	7758-98-7	1 – 5
Zinc Oxide	1314-13-2	1 – 5
Borax	1303-96-4	1 – 5
Talc	14807-96-6	1 – 5
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. Remove contact lenses, if present and easy to do.
- 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) in each state's capital city 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.

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### 5. FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non-flammable product.
<b>Extinguishing Media:</b>	Water spray or dry powder, foam and carbon dioxide extinguisher. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.
<b>Fire/Explosion Hazard:</b>	Non-combustible solid.
<b>Hazchem Code:</b>	Not available.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Wear suitable protective clothing and personal protection, including a dust mask or respirator. Prevent from entering waterways or other aquatic environments. Carefully sweep up and shovel into suitable containers for reuse/recycle or disposal.
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### 7. HANDLING AND STORAGE

<b>Handling:</b>	Use as instructed, ensuring safe work practices are followed that avoid eye or skin contact, or inhalation.
<b>Storage:</b>	Store in a cool, dry well-ventilated area, away from alkaline materials.
<b>Other information:</b>	Contact with moisture is likely to cause handling and corrosion problems.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standard:</b>	8hr TWA 5 mg/m <sup>3</sup> (based on soluble iron salts: 1 mg/m <sup>3</sup> as Fe)
<b>Engineering Controls:</b>	Ensure adequate natural ventilation, and manage dust levels.
<b>Personal Protection:</b>	Wear gloves, eye/face protection, and a respirator of Class P2 or above.



### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Beige fine granules
<b>Odour:</b>	Mild odour.
<b>Odour Threshold:</b>	Not applicable.
<b>pH:</b>	Not applicable.
<b>Melting / Freezing Point:</b>	Not applicable.
<b>Boiling Point:</b>	Not applicable.
<b>Melting Point:</b>	Not available.
<b>Flash Point:</b>	Non-flammable.
<b>Evaporation Rate:</b>	Not applicable.
<b>Flammability limits:</b>	Non-flammable.
<b>Vapour pressure:</b>	Negligible at ambient temperatures.
<b>Solubility in water:</b>	Reasonably soluble in water.

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## 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 or acidic products.  
**Decomposition products:** May evolve toxic gases such as nitrogen oxides, sulphur oxides.  
**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 can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation. Symptoms of swallowing large amounts of soluble iron compounds may be delayed.  
**Eye contact:** Causes serious eye damage, may cause irreversible eye damage.  
**Skin contact:** Causes skin irritation.  
**Inhalation:** Breathing in dust may result in respiratory irritation.  
**Sensitisation hazard:** Not classified as a sensitiser.  
**Long Term Effects:** Repeated exposure may cause damage to organs.  
**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.

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

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

## 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.

## **SAFETY DATA SHEET**

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.

**Revision**  
**Date**  
**End of SDS**

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