

# SAFETY DATA SHEET



Date of Issue: March 2024

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Custom Blend Granular Fertiliser (high boron)</b>	
<b>Product Code</b>	None	
<b>Recommended Use</b>	Granular fertiliser for agricultural use.	
<b>Supplier Name</b>	<b>Eco Growth WA</b>	<b>Eco Growth QLD</b>
<b>Address</b>	4/35 Tamara Drive Cockburn Central Western Australia 6164	540 -604 Warrego Highway North Tivoli Queensland 4305
<b>Phone Number</b>	+61 8 9417 9101	+61 7 3282 7166
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<b>Website</b>	<a href="http://www.ecogrowth.com.au">www.ecogrowth.com.au</a>	
<b>Emergency Phone Number</b>	13 11 26 (Poisons Information Centre)	

## 2. HAZARDS IDENTIFICATION

<b>Classification</b>	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
<b>Label Elements</b>	
<b>Hazard Categories</b>	Eye Damage/Irritation, Category 2A Reproductive Toxicity, Category 2
<b>Signal Word</b>	WARNING
<b>Pictograms</b>	
<b>Hazard Statements</b>	Causes serious eye irritation. Suspected of damaging fertility or the unborn child.
<b>Precautionary Statements</b>	
<b>Prevention</b>	Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye protection. Wash exposed skin thoroughly after handling.
<b>Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	If eye irritation persists: Get medical attention.
	IF exposed or concerned: Get medical advice.
Storage	Store locked up.
Disposal	Dispose of contents in accordance with local, state and federal regulations.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content
Disodium octaborate	12280-03-4	3 to 10%
Manganese sulphate, monohydrate	10034-96-5	0 to <5%
Zinc sulphate, monohydrate	7446-19-7	0 to <3%
Copper sulphate	7758-98-7	0 to <1%
Organic boron	None allocated	0 to <2%
Non-hazardous ingredients	Mixture	>90%

**Note:** Granular Custom Blends with high boron content have variable composition and typically contain one or more of the above ingredients within the specified ranges.

### 4. FIRST AID MEASURES

#### Description of Necessary First Aid Measures

<b>Inhalation</b>	If inhaled, remove from contaminated area. If symptoms (such as wheezing, coughing or shortness of breath) persist, contact a doctor. If not breathing, apply artificial respiration.
<b>Skin Contact</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
<b>Eye Contact</b>	If in eyes, hold eyelids apart and flush continuously with running water for at least 15 mins. Continue flushing until advised to stop by Poisons Information Centre or a doctor.
<b>Ingestion</b>	Rinse mouth with water. DO NOT INDUCE VOMITING. For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).

#### Symptoms Caused by Exposure

See Section 11 for more detailed information on health effects and symptoms.

#### Medical Attention and Special Treatment

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### **Suitable Extinguishing Equipment**

Not a combustible material. Use extinguishing media appropriate to the surrounding fire.

### **Specific Hazards Arising from the Chemical**

If involved in a major fire, toxic gases may be evolved including oxides of phosphorus and sulphur. Prevent firefighting water from entering the environment.

### **Special Protective Equipment and Precautions for Fire Fighters**

Evacuate area and contact emergency services. Toxic gases may be present in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combatting fire. Use water fog or spray to cool intact containers and nearby storage areas.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Wear Personal Protective Equipment (PPE) as specified in section 8 of this Safety Data Sheet. Clear area of all unprotected personnel. Contact Emergency Services if appropriate.

### **Environmental Precautions**

Keep product away from drains and surface/ground water and/or flow channels.

### **Methods and Materials for Containment and Cleaning Up.**

If spilled, scoop up and recover as much product as possible. Collect and store in properly labelled containers for re-use or disposal. If product cannot be immediately recovered, protect product from entering waterways and being blown away by the wind.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling, including any Incompatibilities**

Before use, read all Safety Information, including Directions for Use on the label. Use safe work practices to avoid eye or skin contact and inhalation of dust. Eating, drinking and smoking in work areas is prohibited. Wash hands after use. DO NOT MIX with other granular products or liquid agrichemicals. Handle in well-ventilated area. Wash personal protective equipment after use.

### **Conditions for Safe Storage**

Fertilisers are to be stored in a cool, dry, well-ventilated area. Not to be stored close to acids, alkalis or oxidising agents. Protect from water and moisture penetration – shield product from rainfall, condensation and ground water. Store away from other chemicals such as insecticides and herbicides, and foodstuffs. Keep storage area locked.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Control methods

No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust, not otherwise specified, is 10mg/m<sup>3</sup> (for inspirable dust) and 3mg/m<sup>3</sup> (for respirable dust).

### Biological Monitoring

Not required.

### Engineering Controls

Use in well-ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

### Individual Protection Measures - Personal Protective Equipment (PPE)

#### Respiratory Protection

When using or applying this product, wear a disposable P2 dust mask.

Where exposure is high and ventilation is inadequate, a particulate filter full face or half face respirator is recommended.

#### Skin Protection

Cotton or leather gloves. In high-risk situations, PVC or rubber gloves are recommended. Clothing should include long sleeves and long trousers where skin contact could occur.

#### Eye and Face protection

Safety glasses with side shields.

Where PPE is to be used, ensure that workers have been instructed and trained in use, storage and maintenance of equipment. All PPE should meet relevant Australian Standards for the article in use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Granular product, typically off-white, grey or brown
<b>Odour</b>	None
<b>pH (neat)</b>	5 - 8
<b>Melting Point / Freezing Point</b>	Not applicable
<b>Flammability</b>	Not combustible
<b>Bulk Density</b>	Variable
<b>Solubility in water</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions of storage and handling.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Possibility of Hazardous Reactions

No hazardous reactions under normal conditions of storage and handling.

**Conditions to Avoid**

Keep away from moisture and high humidity (>65% relative humidity). Moisture reduces longevity of the product.

**Incompatible Materials**

Incompatible with strong acids, strong alkalis and oxidising agents.

**Hazardous Decomposition Products**

Will evolve toxic gases including oxides of phosphorus and sulphur if heated to decomposition.

**11. TOXICOLOGICAL INFORMATION****Information on Possible Routes of Exposure**

Inhalation:	Dust may cause upper respiratory tract irritation.
Skin contact:	May cause mild skin irritation if contact is prolonged or repeated.
Ingestion:	May cause gastrointestinal discomfort if ingested in large amounts.
Eye contact:	May cause irritation including mechanical irritation.
Chronic effects:	No information available for this product.

**Acute Health Effects**

<b>Inhalation</b>	Not classified.
<b>Skin</b>	Not classified.
<b>Eye</b>	Serious eye damage, Category 2A
<b>Ingestion</b>	Not classified.
<b>Skin Corrosion / Irritation</b>	Not classified.
<b>Serious Eye Damage / Irritation</b>	Causes serious eye irritation.
<b>Respiratory or Skin Sensitisation</b>	Not classified.
<b>Germ Cell Mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive Toxicity</b>	May damage fertility or the unborn child if ingested. Animal studies have demonstrated effects on testes, foetal weight loss and minor skeletal variations. However, (limited) epidemiological studies of workers and general populations exposed to boron show no reproductive or developmental effects (Australian Industrial Chemicals Introduction Scheme).
<b>Specific Target Organ Toxicity (STOT) – single exposure</b>	Not classified.
<b>Specific Target Organ Toxicity (STOT) – repeated exposure</b>	Not classified.
<b>Aspiration Hazard</b>	This product does not present an aspiration hazard.
<b>Chronic Health Effects</b>	Prolonged or repeated exposure to dust may result in mild irritation and coughing.
<b>Existing Conditions Aggravated by Exposure</b>	No data
<b>Additional Toxicological Information</b>	No data

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not hazardous when applied to soil at the recommended rates. Hazardous to the aquatic environment.

**Persistence and Degradability**

Product is a plant nutrient and will persist in the soil for weeks. Degradation will occur over time.

**Bioaccumulative Potential**

None of the ingredients in this product are known to have the potential for bioaccumulation.

**Mobility in Soil**

Low soil mobility under normal environmental conditions.

**Other Adverse Effects**

Over-fertilisation or spills may impair plant growth or kill plants in the affected areas. Excess nutrient may be washed through soil to waterways. Nutrients released to waterways may cause algal blooms, with potential for toxic effects on aquatic organisms. Ensure appropriate measures are taken to prevent this product from entering the environment in concentrated form. Do not allow this product or the used containers to contaminate waterways.

**13. DISPOSAL CONSIDERATIONS****Disposal Methods**

If possible, product should be collected and reused for its intended purpose. If contaminated with other materials, product must be disposed of to an approved landfill site in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION****ROAD AND RAIL TRANSPORT**

**Not classified as a dangerous good by the criteria of the ADG code, IMDG or IATA**

<b>UN Number</b>	None allocated.
<b>Proper Shipping Name or Technical Name</b>	None allocated.
<b>Transport Hazard Class</b>	None allocated.
<b>Packing Group</b>	None allocated.
<b>Subsidiary Risk(s)</b>	None allocated.
<b>Environmental Hazards for Transport Purposes</b>	None allocated.
<b>Special Precautions for User</b>	None.
<b>Additional Information</b>	None
<b>Hazchem Code</b>	None allocated.

**15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations**

All components are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt.  
Not classified under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP).

**16. OTHER INFORMATION****Additional Information**

The effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control methods as appropriate.

**Report Status**

This document is based on the best available information at the time of issue and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for this product. While all due care has been taken to include accurate and up-to-date information, no warranty as to accuracy or completeness is provided. As far as lawfully possible, Eco Growth 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 reliance on the information contained in this Safety Data Sheet.

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**End of Report**