

SAFETY DATA SHEET



Date of Issue: February 2024

1. IDENTIFICATION

Product Names	Avocado, Blue, Citrus, Emerald, Phospot, Prime, Purple, Red - National Granular Fertilisers	
Product Codes	None	
Recommended Use	Granular Fertilisers for agricultural use	
Supplier Name	Eco Growth WA	Eco Growth QLD
Address	4/35 Tamara Drive Cockburn Central Western Australia 6164	540 -604 Warrego Highway North Tivoli Queensland 4305
Phone Number	+61 8 9417 9101	+61 7 3282 7166
Email	info@ecogrowth.com.au	adminqld@ecogrowth.com.au
Website	www.ecogrowth.com.au	
Emergency Phone Number	13 11 26 (Poisons Information Centre)	

2. HAZARDS IDENTIFICATION

Classification	Not classified as hazardous according to the criteria of the Globally Harmonised System (GHS) of classification and labelling of chemicals.
Label Elements	
Signal Word	None required
Pictograms	None required
Hazard Statements	None required

3. COMPOSITION AND INFORMATION ON INGREDIENTS

> 97 to 100% of the ingredients in the Eco-Growth National Range of Granular Fertilisers are classified as non-hazardous according to the criteria of the Globally Harmonised System (GHS) of classification and labelling of chemicals.

The following hazardous ingredients are present in some National products as indicated in the Table below:

Ingredient	CAS No.	Content	Product
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Iron (II) sulphate, monohydrate	17375-41-6	0 to <3%	National Avocado, National Emerald
Manganese sulphate, monohydrate	10034-96-5	0 to <3%	National Citrus, National Emerald
Zinc sulphate, monohydrate	7446-19-7	0 to <1%	National Citrus

4. FIRST AID MEASURES

Description of Necessary First Aid Measures

Inhalation	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.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Eye Contact	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.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth with water and give patient 1-2 glasses of water (250-500mL) to drink. 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.

Eye wash facilities and safety shower should be available.

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 including oxides of carbon, nitrogen, sulphur and phosphorus may be evolved. 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 products 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 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 products from rainfall, condensation and ground water. Store away from other chemicals such as insecticides and herbicides, and foodstuffs.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Control methods**

No exposure standard has been established for these products by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust, not otherwise specified, is 10mg/m³ (for inspirable dust) and 3mg/m³ (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 these products, 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 or goggles.

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

Appearance	Off-white, beige brown and black granules
Odour	None
pH (1% in water)	6 – 9
Melting Point / Freezing Point	Not applicable
Flammability	Not combustible
Bulk Density	1500 – 1700 kg/m ³
Solubility in water	Partially soluble in water

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 carbon, nitrogen, phosphorus and sulphur if heated to decomposition.

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

Inhalation: Dust may cause respiratory tract irritation.

Skin contact: May cause mild skin irritation if contact is prolonged or repeated.

Ingestion: Not acutely toxic. May cause gastrointestinal discomfort if ingested in large amounts.

Eye contact: May cause mechanical irritation.

Chronic effects: The solid product as supplied is classified as non-hazardous under normal conditions and does not present an inhalation, ingestion, skin, or eye hazard. However, dust created when the product is processed, abraded, or crushed may cause mechanical irritation.

Acute Health Effects

Inhalation Not classified.

Skin Not classified.

Eye Not classified.

Ingestion	Not classified.
Skin Corrosion / Irritation	Not classified.
Serious Eye Damage / Irritation	Not classified.
Respiratory or Skin Sensitisation	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Specific Target Organ Toxicity (STOT) – single exposure	Not classified.
Specific Target Organ Toxicity (STOT) – repeated exposure	Not classified.
Aspiration Hazard	These products do not present an aspiration hazard.
Chronic Health Effects	Prolonged or repeated exposure to dust may result in mild irritation and coughing.
Existing Conditions Aggravated by Exposure	None known
Additional Toxicological Information	No data

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not hazardous to the environment when applied to soil at the recommended rate (<2t/ha).

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 these products 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 nutrients 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 these products from entering the environment in concentrated form. Do not allow these products 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

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