

# SAFETY DATA SHEET



Date of Issue: October 2023

## 1. IDENTIFICATION

Product Name	<b>Express® NPK</b>	
Product Code	None	
Recommended Use	Liquid fertiliser for agricultural use.	
Supplier Name	<b>Eco Growth WA</b>	<b>Eco Growth QLD</b>
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	<a href="mailto:info@ecogrowth.com.au">info@ecogrowth.com.au</a>	<a href="mailto:admonqld@ecogrowth.com.au">admonqld@ecogrowth.com.au</a>
Website	<a href="http://www.ecogrowth.com.au">www.ecogrowth.com.au</a>	
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

Ingredient	CAS No.	Content
Potassium nitrate	7757-79-1	1 - 5%
Sodium tetraborate	12179-04-3	<0.2%
Copper EDTA complex	14025-15-1	<0.2%
Cobalt EDTA complex	15137-09-4	<0.02%
Non-hazardous ingredients including water		>95%

**4. FIRST AID MEASURES****Description of Necessary First Aid Measures**

<b>Inhalation</b>	If inhaled, remove person affected to fresh air. If ill-effects persist, contact a doctor.
<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>	Hold eyelids apart and flush continuously with running water for at least 15 minutes. If irritation persists, get medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Give victim 1-2 glasses (250 to 500mL) water to drink. Contact a Poison 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 liquid boils dry during a fire, residue may decompose and emit toxic fumes.

**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**

In the event of a large spill, wear suitable protective clothing, gloves and eye protection.

**Environmental Precautions**

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

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

For minor spills, dilute and flush away with copious amounts of water. For large spills, contain spillage, then cover / absorb spill with absorbent material (sawdust, vermiculite, sand, earth, or similar), collect and place in suitable containers for disposal. Wash contaminated area with water.

## 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. Wash hands after use. DO NOT MIX with other agrichemicals such as herbicides, insecticides or fungicides. Wash personal protective equipment after use.

### Conditions for Safe Storage

Store in a cool, dry, well-ventilated area in the original container. Keep container closed when not in use. Check regularly for leaks or spills. Store above 4°C as freezing may adversely affect product.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Control methods

No exposure standard has been established for this product,

### 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** Not required under normal conditions of use.

**Skin Protection** Clothing should include long sleeves, long trousers, safety boots and gloves. Recommended glove types include impervious PVC, rubber, latex or nitrile (AS 2161).

**Eye and Face protection** Safety glasses with side shields or splash-proof chemical goggles (AS 1336 / 1337).

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>	Green, clear slightly viscous liquid.
<b>Odour</b>	None
<b>pH (neat)</b>	6 - 7
<b>Melting Point / Freezing Point</b>	<0°C
<b>Boiling Point</b>	>100°C
<b>Flammability</b>	Not combustible
<b>Specific Gravity at 20°C</b>	1.30 – 1.40
<b>Solubility in water</b>	Soluble

**10. STABILITY AND REACTIVITY****Reactivity**

Stable under normal conditions of storage and handling (4 to 40°C).

**Chemical Stability**

Stable under normal conditions of storage and handling (4 to 40°C).

**Possibility of Hazardous Reactions**

No hazardous reactions under normal conditions of storage and handling.

**Conditions to Avoid**

Avoid prolonged storage below 4°C. Keep away from heat (>40°C) and out of direct sunlight.

**Incompatible Materials**

Incompatible with strong acids, alkalis and oxidising agents.

**Hazardous Decomposition Products**

In a fire, product will decompose emitting toxic gases including oxides of carbon, nitrogen and phosphorus.

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

Inhalation:	Inhaling spray mist may cause upper respiratory tract irritation.
Skin contact:	Incidental contact is not likely to cause irritation.
Ingestion:	Product is not acutely toxic. May cause nausea, vomiting and gastrointestinal irritation.
Eye contact:	May cause mild irritation and lacrimation.
Chronic effects:	No information available for this product.

**Acute Health Effects**

<b>Inhalation</b>	Not classified.
<b>Skin</b>	Not classified.
<b>Eye</b>	Not classified.
<b>Ingestion</b>	Not classified.
<b>Skin Corrosion / Irritation</b>	Not classified.
<b>Serious Eye Damage / Irritation</b>	Not classified.
<b>Respiratory or Skin Sensitisation</b>	Not classified.
<b>Germ Cell Mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive Toxicity</b>	Not classified.
<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>	None known.
<b>Existing Conditions Aggravated by Exposure</b>	None known
<b>Additional Toxicological Information</b>	No data

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not hazardous when applied to soil at the recommended rates. In its concentrated form, this product may have short term negative impact on soil, animals and plants. This product is not considered harmful to aquatic organisms nor to cause long term adverse effects in the environment when diluted at the recommended rate. However, the concentrated product should not be allowed to enter the aquatic environment as it may cause short term adverse effects.

### Persistence and Degradability

This product is not persistent and degrades rapidly when exposed to environmental conditions.

### 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

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**