SAFETY DATA SHEET

Date of Issue: **October 2023**

1. IDENTIFICATION

Product Name	**Express Trace**	
Product Code	None	
Recommended Use	Liquid fertiliser 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	admonqld@ecogrowth.com.au
Website	www.ecogrowth.com.au	
Emergency Phone Number	**13 11 26** (Poisons Information Centre)	

2. HAZARDS IDENTIFICATION

Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Label Elements

Hazard Categories

Serious Eye Damage / Eye Irritation, Category 1

Toxic to Reproduction, Category 1B

Signal Word

Danger

Pictograms

Hazard Statements

Causes serious eye damage.

May damage fertility or the unborn child.

Precautionary Statements

Prevention

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.

Response

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
Iron II sulphate	7782-63-0	5 – 10%
Manganese sulphate	10034-96-5	1 - 5%
Zinc sulphate	7446-19-7	1 - 5%
Copper sulphate	7758-99-8	1 – 5%
Boric acid	10043-35-3	1 - 5%
Cobalt sulphate	10026-24-1	<0.1%
Non-hazardous ingredients including water		to 100%

4. FIRST AID MEASURES

Description of Necessary First Aid Measures

Inhalation If inhaled, remove person affected to fresh air. If ill-effects persist, contact a doctor.

Skin Contact If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye Contact Small amounts splashed into the eyes can cause irreversible tissue damage. If eye contact occurs, rinse immediately with plenty of water and get medical attention. Continue rinsing affected eyes for at least 15 minutes. Remove contact lenses if present and easy to do. Keep eyes open while rinsing. If eye irritation persists, consult a specialist.

Ingestion 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, immediately. Show this SDS or product label to treating physician.

Symptoms Caused by Exposure

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

Medical Attention and Special Treatment

Treat symptomatically. Observation is only required for adult ingestion of less than 6 grams of boric acid (less than 150mL Express TE). For ingestion of more than 6 grams (greater than 150mL Express TE), maintain adequate kidney function and force fluids. Gastric lavage is recommended for symptomatic patients only. Haemodialysis should be reserved for massive acute ingestion or patients with renal failure. Boron analyses of urine or blood are only useful for documenting exposure and should not be used to evaluate severity of poisoning or to guide treatment.

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 heated to decomposition, toxic gases may evolve, including oxides of carbon, nitrogen and sulphur.

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 PVC, rubber, latex or nitrile (AS 2161).
Eye and Face protection	Wear 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

Appearance	Clear blue-green liquid.
Odour	None
pH (neat)	6 - 8
Melting Point / Freezing Point	<0°C
Boiling Point	>100°C
Flammability	Not combustible
Specific Gravity at 20°C	1.1 – 1.2
Solubility in water	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 and alkalis.

Hazardous Decomposition Products

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

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 severe irritation, pain, redness and lacrimation.
Chronic effects:	No information available for this product.

Acute Health Effects

Inhalation	Not classified.
Skin	Not classified.
Eye	Not classified.
Ingestion	Not classified.
Skin Corrosion / Irritation	Not classified.
Serious Eye Damage / Irritation	Causes serious eye damage.
Respiratory or Skin Sensitisation	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive Toxicity	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).
Specific Target Organ Toxicity (STOT) – single exposure	Not classified.
Specific Target Organ Toxicity (STOT) – repeated exposure	Not classified.
Aspiration Hazard	This product does not present an aspiration hazard.
Chronic Health Effects	None known.
Existing Conditions Aggravated by Exposure	No data
Additional Toxicological Information	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

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 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