

SAFETY DATA SHEET



Date of Issue: February 2023

1. IDENTIFICATION

Product Name	Eco-Humate	
Product Code	None	
Recommended Use	Soil conditioner; 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	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 humate	68514-28-3	10 – 20%
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	If in eyes, hold eyelids apart and flush continuously with running water for at least 15 mins.
Ingestion	Rinse mouth with water. DO NOT INDUCE VOMITING. 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 liquid boils dry during a fire, toxic gases including oxides of carbon and potassium may be evolved.

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 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.

For minor spills, dilute and flush away with copious amounts of water. For large spills, contain spillage, then cover / absorb spill with absorbent material (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. Store away from acids. Check regularly for leaks or spills. Store above 4°C as freezing may adversely affect product. If container expands due to abnormally high temperatures, use PPE as specified in Section 8 and gently undo cap to release excess pressure, then reseal cap.

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).

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. Where there is a risk of inhalation of spray mist, wear a Type A (organic vapour) respirator complying with AS 1715/1716.

Skin Protection Impervious PVC, rubber, or nitrile gloves (AS 2161). Clothing should include long sleeves and long trousers where skin contact could occur.

Eye and Face protection 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	Opaque brown to black liquid.
Odour	None
pH (neat)	10 - 11
Melting Point / Freezing Point	<0°C
Boiling Point	>100°C
Flammability	Not combustible
Specific Gravity at 20°C	1.05 approx.
Solubility in water	Soluble

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

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

Incompatible Materials

Incompatible with acids.

Hazardous Decomposition Products

Will evolve toxic gases including oxides of carbon and potassium, if heated to decomposition.

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

Inhalation:	Not a likely route of exposure.
Skin contact:	May cause mild skin irritation if contact is prolonged or repeated contact occurs.
Ingestion:	May cause gastrointestinal discomfort if ingested in large amounts.
Eye contact:	May cause mechanical irritation.
Chronic effects:	Prolonged or repeated skin contact may cause dermatitis.

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	This product does not present an aspiration hazard.

Chronic Health Effects	None known.
Existing Conditions Aggravated by Exposure	None known
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. However, the concentrated product should not be allowed to enter the aquatic environment as it will increase pH and may cause short term adverse effects due to rapid changes in pH.

Persistence and Degradability

Not likely to persist. Degrades over time.

Bioaccumulative Potential

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

Mobility in Soil

Low soil mobility under normal environmental conditions.

Other Adverse Effects

Over-use or spills may impair plant growth or kill plants in the affected areas. 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