

SAFETY DATA SHEET



Date of Issue: October 2023

1. IDENTIFICATION

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| Product Name | Liquid Kelp | |
| Product Code | None | |
| Recommended Use | Organically certified liquid fertiliser and growth promoter. | |
| 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

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|---------------------------------|--|
| 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 2A Skin Corrosion / Irritation, Category 2 |
| Signal Word | WARNING |
| Pictograms | |
| Hazard Statements | Causes serious eye irritation. Causes skin irritation |
| Precautionary Statements | |
| Prevention | Wear eye protection/face protection and protective gloves. 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 ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical attention.

Take off contaminated clothing and wash it before reuse.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredient | CAS No. | Content |
|---|-----------|---------|
| Potassium Hydroxide | 1310-58-3 | 1 - <3% |
| Non-hazardous ingredients including natural kelp and water. | - | 100% |

4. FIRST AID MEASURES

Description of Necessary First Aid Measures

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| Inhalation | Remove person affected to fresh air. If ill-effects persist, get medical advice. |
| Skin Contact | Wash skin with plenty of water and mild soap. Remove contaminated clothing and shoes. If skin irritation occurs, get medical attention. Wash contaminated clothing and shoes before reuse. |
| Eye Contact | Small amounts splashed into the eyes can cause severe irritation. 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. Rinse mouth with water and then give water to drink. Never give anything by mouth to an unconscious person. If vomiting occurs, give more water to drink. Get medical attention if ill effects persist. |

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 or burn 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 (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

Impervious PVC, rubber, or nitrile gloves (AS 2161). Clothing should include long sleeves and long trousers where skin contact could occur. For small quantities, household rubber gloves are recommended.

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

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|---------------------------------------|----------------------|
| Appearance | Opaque brown liquid. |
| Odour | Organic |
| pH (neat) | 10 - 12 |
| Melting Point / Freezing Point | <0°C |
| Boiling Point | >100°C |
| Flammability | Not combustible |
| Specific Gravity at 20°C | Approx. 1 |
| Solubility in water | Miscible |

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 strong acids and oxidising agents.

Hazardous Decomposition Products

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

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

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|------------------|---|
| Inhalation: | Not volatile. Not a likely route of exposure. |
| Skin contact: | Incidental contact may cause irritation. |
| Ingestion: | May cause gastrointestinal discomfort if ingested in large amounts. |
| Eye contact: | May cause severe irritation, pain, redness and lacrimation. |
| Chronic effects: | Prolonged or repeated skin contact may cause dermatitis. |

Acute Health Effects

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|-------------------|-----------------|
| Inhalation | Not classified. |
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|--|---|
| Skin | Not classified. |
| Eye | Not classified. |
| Ingestion | Not classified. |
| Skin Corrosion / Irritation | Causes skin irritation. |
| Serious Eye Damage / Irritation | Causes serious eye irritation. |
| 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 where it may cause short term adverse effects due to depletion of oxygen levels and elevation of pH.

Persistence and Degradability

Not likely to persist. Expected to degrade rapidly under normal environmental conditions.

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 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

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|---|-----------------|
| 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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| Revision Number | 1 |
| Date Prepared | October 2023 |
| Date of Next Review | October 2026 |

End of Report