

SAFETY DATA SHEET

PRODUCT NAME: LIQUID KELP

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Other Name(s): None
Recommended use: Liquid fertiliser concentrate for fertigation
Supplier: Baileys Fertilisers
Address: 24 Beach St
Kwinana, Western Australia 6167
Telephone: (08) 9439 1688 (Mon – Fri: 8.00am – 5.00pm)
Emergency Contact: Poisons Information Centre on 13 11 26
Fax: (08) 9439 1068
Email: baileys@baileysfertiliser.com.au
Website: baileysfertiliser.com.au

2. HAZARD IDENTIFICATION

- 1. GHS Classification:** Not classified as hazardous according to Australian GHS classification. Not classified as Dangerous Goods according to the Australian Dangerous Goods Code.
- 2. Signal Word:** None.
- 3. Hazard Symbol:** None.
- 4. Hazard Statement:** None.
- 5. Precautionary Statements:**
- Prevention: P265 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well ventilated area.
 - Response: P312 Call a POISON CENTRE or doctor if you feel unwell.
P362 Take off contaminated clothing and wash before reuse.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P338 + P351 IF IN EYES: Remove contact lenses if present and easy to do. Continue rinsing.
Rinse cautiously with water for several minutes.
 - Storage: P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 - Disposal: P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % ^w / _w
Bull Kelp Extract	None	100

4. FIRST AID MEASURES

- 1. Eye Contact:** Immediately lift eyelid and flush eyes with flowing water and completely remove materials by lifting the upper and lower lids. Transport to hospital or doctor. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- 2. Skin Contact:** Remove contaminated clothing and shoes immediately. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
- 3. Inhalation:** If fumes of combustion materials are inhaled, move to fresh air. Go to where fresh air is available. If necessary, provide first aid.
- 4. Ingestion:** Rinse and wash mouth with water. If swallowed, do NOT induce vomiting. Lay patient down in recovery position. Get medical attention immediately.
- 5. Chronic effects from short and long term exposure:**
May cause eye, skin or respiratory irritation when exposed. Long term exposure of high concentrations may cause lung tissue damage. Ingestion may result in vomiting and severe digestive system irritation or burns. Inhalation may cause respiratory irritation. Eye and/or Skin contact may cause irritation and acidic-like effects.
- 6. First Aid Treatment and note to physician:** Treatment may vary depending on incident specifics and the victim's condition.

5. FIRE FIGHTING MEASURES

- Flammability:** Non-flammable.
- Extinguishing Media:** Dry powder, foam and carbon dioxide extinguisher. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.
- Fire/Explosion Hazard:** May decompose, emitting toxic fumes in a fire. Remain upwind and notify those downwind of hazard.
- Hazchem Code:** Not applicable.

6. ACCIDENTAL RELEASE MEASURES

- Spills and Disposal:** Use absorbent material to absorb liquid spills then carefully sweep up and shovel into suitable containers for reuse/recycle or disposal at an approved waste disposal site. Avoid runoff of spilt material into soils, waterways or drains.

7. HANDLING AND STORAGE

- Safe Handling:** Wear appropriate PPE (refer to section 8). Use in a well ventilated area. Do not consume food or drink, or smoke, while handling. Wash hands with soap and water after handling.
- Storage and Transport:** Store in original container in a cool, dry, well-ventilated area, away from acidic materials. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- National Exposure Standard:** Time Weighted Average (TWA): 10 mg/m³.
Short Term Exposure Limits (STEL): Not set.
- Biological Limit Values:** No biological limit allocated.

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Engineering Controls: Use only in a well ventilated area and manage vapour levels.

Personal Protective Equipment: Wear gloves, safety boots, protective clothing and safety glasses with side shields. Use a class P1 respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Golden-brown liquid
- **Odour:** Characteristic seaweed odour
- **pH:** 3.2 - 3.8
- **Boiling Point:** 100 to 110°C
- **Vapour pressure:** Similar to water
- **Specific gravity:** 1.05
- **Flash point:** Not applicable
- **Flammability limits:** Not applicable
- **Solubility in water:** Miscible with water

10. STABILITY AND REACTIVITY

Chemical Stability: Material is stable under normal storage and handling conditions.

Conditions to avoid: Extreme heat.

Incompatible materials: Incompatible with oxidizing agents, acids, chlorates and nitrates.

Decomposition products: May evolve toxic nitrogen oxides and ammonia when heated to decomposition.

Hazardous reactions: Hazardous polymerisation reactions will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Product Toxicity data:

Ingestion: Swallowing may result in irritation of the gastrointestinal tract.

Eye contact: Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Skin contact: Repeated or prolonged skin contact may lead to irritation.

Inhalation: Breathing in dust may result in respiratory irritation.

Sensitization hazard: Not classified as a skin sensitizer.

Long Term Effects: No information available for the product.

Carcinogenicity: Not classified as a carcinogen.

Mutagenic Data: Not classified as a mutagen.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways as nutrients in water sources may cause excessive algal growth.

Persistence and degradability: This product is a fertiliser and will react in the soil as such.

Mobility: Fertiliser nutrients are soluble and will leach in soil and dissolve/disperse in water.

13. DISPOSAL CONSIDERATIONS

Waste from material: Reuse or reprocess if possible. May be subject to disposal regulations. Check solution pH to determine disposal restrictions. Dispose in accordance with all applicable regulations.

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Container Management: Dispose of container in accordance with applicable local, regional, national and/or international regulations. Container rinsate must be disposed of in accordance with applicable regulations.

14. TRANSPORT INFORMATION

UN Number:	NA	UN Proper Shipping Name:	NA	Class and Subsidiary Risk(s):	NA
Packing Group:	NA	Special precautions for user:	None	Hazchem code:	NA

15. REGULATORY INFORMATION

AICS All chemicals listed on the Australian Inventory of Chemical Substances (ACIS).

16. OTHER INFORMATION

Disclaimer This document has been prepared by Baileys Fertilisers and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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End of SDS