

SAFETY DATA SHEET

Kelpak

Current Version: 29/03/21

First Edition: 30/10/15

SECTION 1 - IDENTIFICATION OF PRODUCT AND OF THE COMPANY

1.1. Product identifier:	Liquid Seaweed Concentrate
Trade name:	Kelpak
1.2. General use:	Fertilizer/fertilizer supplement
Product description:	Brown aqueous liquid with slight seaweed odor
1.3. Contact details	
1.3.1. Manufacturer:	Kelp Products (Pty) Ltd. P O Box 325 Simon's Town South Africa (+27) 21 786 2090
1.3.2. Distributor:	Kelp Products International (Pty) Ltd. Blue Water's Close Simon's Town South Africa

SECTION 2 - HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture:** This material is considered non-hazardous.
- 2.2. Emergency overview:** Brown aqueous liquid with slight seaweed odor
- 2.3. Most important symptoms and effects**
- | | |
|----------------------------------|--|
| 2.3.1. Possible exposure: | Ingestion, inhalation and skin contact |
| 2.3.2. Eye contact: | Non-irritant |
| 2.3.3. Skin contact: | Non-irritant |
| 2.3.4. Ingestion: | Non-toxic |
| 2.3.5. Inhalation: | Non-toxic |



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2.4. Pictograms: None

2.5. Signal word: None

GHS Precautionary Statements:

P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P305+P351	IF IN EYES: Rinse cautiously with water for several minutes.
P303+P353	Rinse skin with water/shower.
P301+P330	IF SWALLOWED: Rinse mouth.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P234+P235+P410+P420	Keep only in original container. Keep cool. Protect from sunlight. Store away from food and feed products. Store away from other materials.

SECTION 3 - COMPOSITION OR INFORMATION ON INGREDIENTS

3.1. Raw material: Fresh material from *Ecklonia maxima* 34%

SECTION 4 - FIRST AID MEASURES

4.1. Description of first aid measures:

4.1.1. Eye contact:	Immediately rinse with water for 5 minutes.
4.1.2. Skin contact:	Wash skin with soap and water.
4.1.3. Ingestion:	Rinse mouth with water and drink a large quantity of water.
4.1.4. Inhalation:	Remove product or move person to fresh air.

4.2. Indication of any immediate medical attention and special treatment needed: None

SECTION 5 – FIREFIGHTING MEASURES

5.1. Flash point:	None to boiling.
5.2. Flammable limits:	Not applicable.
5.3. Extinguishing media:	Use water spray, dry chemical or carbon dioxide.
5.4. Firefighting procedure:	Remove container from fire area.
5.5. Combustion products:	Vapors are non-toxic and non-irritant.

**SECTION 6 - ACCIDENTAL RELEASE MEASUREMENTS**

- 6.1. Spillage/leaking:** Stop leak, contain spill and absorb with inert dry material (soil or natural absorbents). Sweep up waste and place in container for disposal. Wash down area with water. Uncontaminated spilled material may be reused.
- 6.2. Personal protective equipment:** Refer to section 8.

SECTION 7 - HANDLING AND STORAGE

- 7.1. Safe handling:** Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.
- 7.2. Safe storage conditions:** Store in the original labelled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals.

SECTION 8 - EXPOSURE CONTROL OR PERSONAL PROTECTION

- 8.1. Personal protective equipment:** Chemical goggles or shielded safety glasses and rubber or neoprene gloves are not required, but their use is recommended.
- 8.2. Respiratory:** Protection not required, but a respirator can be used.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. Appearance:** Brown aqueous liquid
- 9.2. Odour:** Faint seaweed
- 9.3. pH:** 4.0 – 4.6
- 9.4. Boiling point:** 101°C
- 9.5. Melting or freezing point:** -0.5°C
- 9.6. Specific gravity:** 1.01 – 1.03
- 9.7. Density:** 1.01 g/cm³ – 1.03 g/cm³
- 9.8. Vapor pressure:** Not available



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9.9. Vapor density:	Not available
9.10. Percent volatile:	95%
9.11. Evaporation rate:	Not available
9.12. Auto ignition temperature:	Not applicable
9.13. Solubility in water:	Soluble, aqueous solution

SECTION 10 - STABILITY AND REACTIVITY

10.1. Stability:	Stability guaranteed for use within 3 years from manufacture under recommended storage conditions in an original sealed container.
10.2. Reactivity:	Stable
10.3. Hazardous reactions possibility:	Will not occur
10.4. Conditions to avoid:	Storage in direct sunlight, below 0°C or above 40°C
10.5. Incompatibility:	Strong bases and oxidizing agents
10.6. Hazardous decomposition:	No products known
10.7. Hazardous polymerization:	None known

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1. Acute oral LD₅₀:	>5600 mg/kg in rats – non-toxic
11.2. Acute dermal LD₅₀:	>8600 mg/kg in rats – non-toxic
11.3. Inhalation LC₅₀:	>5.92 mg/L air in rats – non-toxic
11.4. Skin irritation:	Non-irritant in rabbits
11.5. Eye irritation:	Non-irritant in rabbits
11.6. Chronic effects:	None known

SECTION 12 - ECOLOGICAL INFORMATION

12.1. Ecotoxicology:	Non-toxic
12.1.1. Bees - LD ₅₀ (oral; 96 hr):	>100 µg/bee
12.1.2. Algae - IC ₅₀ (72 hr):	>100 mg/L
12.1.3. Daphnia - EC ₅₀ (48 hr):	>1000 mg/L
12.1.4. Trout/Carp - LC ₅₀ (96 hr):	>1000 mg/L
12.1.5. Earthworm – LC ₅₀ (14 days):	>1000 mg/kg dry soil
12.1.6. Japanese Quail - LD ₅₀ (14 days):	>2000 mg/kg
12.2. Biodegradation:	Oxidation and micro-organisms

**SECTION 13 - DISPOSAL CONSIDERATIONS****13.1. Disposal:**

Product and container to be disposed of in accordance with local regulations.

SECTION 14 - TRANSPORTATION INFORMATION**14.1. Transportation:**

Not regulated

SECTION 15 - REGULATORY INFORMATION**15.1. Classification:**

This product is considered non-toxic and non-irritant

SECTION 16 – OTHER INFORMATION**Current version:**

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Important:

This SDS was prepared and is to be used in its present form. If the product is altered or used as a component in another material, the information on this document is not applicable. This document is generated for the distribution of health, safety and environmental data. It is not a specification sheet and data should not be construed as specifications.

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