



## KelpMax Premium Liquid Seaweed Concentrate

### SAFETY DATA SHEET

Date Prepared: 12/17/16

Supersedes Date: 07/28/15

#### SECTION 1 - IDENTIFICATION OF PRODUCT AND OF THE COMPANY

- 1.1. Product identifier: Premium Liquid Seaweed Concentrate  
Trade name: KelpMax
- 1.2. General use: Fertilizer supplement/plant amendment  
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  
(+2721) 786 2090
- 1.3.2. Distributor: First Rays LLC  
1304 W. Yacht Drive  
Oak Island NC 28465
- 1.4. Emergency telephone: First Rays - (844) 535-7629

#### 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
- 2.4. Pictograms: None



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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+P361	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 35 - 38%

## 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



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### 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 MEASURES

- 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. Wash hands thoroughly after handling the product.
- 7.2. Safe storage conditions: Store in the original labeled container in a cool place away from direct sunlight and heat. 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.



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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1.	Appearance:	Brown aqueous liquid
9.2.	Odor:	Faint seaweed
9.3.	pH:	4.0 – 4.6
9.4.	Boiling point:	101°C / 214°F
9.5.	Melting or freezing point:	-0.5°C / 31°F
9.6.	Specific gravity:	1.01 – 1.03
9.7.	Density:	1.01 g/cm <sup>3</sup> – 1.03 g/cm <sup>3</sup>
9.8.	Vapor pressure:	Not available
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:	Stable under normal conditions of use.
10.2.	Reactivity:	Stable
10.3.	Hazardous reaction possibility:	Will not occur
10.4.	Conditions to avoid:	Storage in direct sunlight or above 35°C / 95°F
10.5.	Incompatibility:	Strong bases and oxidizing agents
10.6.	Hazardous decomposition:	No products known
10.7.	Hazardous polymerization:	None known



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### 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 - LD50 (oral; 96 hr):       | >100 mg/bee                   |
| 12.1.2. Algae - IC50 (72 hr):            | >100 mg/L                     |
| 12.1.3. Daphnia - EC50 (48 hr):          | >1000 mg/L                    |
| 12.1.4. Trout/Carp - LC50 (96 hr):       | >1000 mg/L                    |
| 12.1.5. Earthworm – LC50 (14 days):      | >1000 mg/kg dry soil          |
| 12.1.6. Japanese Quail - LD50 (14 days): | >2000 mg/kg                   |
| 12.2. Biodegradation:                    | Oxidation and micro-organisms |

### SECTION 13 - DISPOSAL CONSIDERATIONS

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|-----------------|---|
| 13.1. Disposal: | Product and container to be disposed of in accordance with federal, state, and local regulations. |
|-----------------|---|

### SECTION 14 - TRANSPORTATION INFORMATION

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|---------------------------|---------------|
| 14.1. Transportation:     | Not regulated |
| 14.2. Freight class code: | 70            |



## KelpMax Premium Liquid Seaweed Concentrate

### SECTION 15 - REGULATORY INFORMATION

15.1. Classification: This product is considered non-toxic and a non-irritant

### SECTION 16 - OTHER INFORMATION

Current version: December 17, 2016

Supersedes: July 28, 2015

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