

MATERIAL SAFETY DATA SHEET

Kelpak 24201

VESSEL: MSC MELISSA H1148R

CONTAINER NO: MEDU2265850

SEAL NO: EU0000429897

INTERTEK SEAL NO: 1600755

1. IDENTIFICATION OF PRODUCT AND COMPANY

Trade name: Kelpak 24201 *approved by IMO in organic agriculture*

Chemical name: *Ecklonia maxima* seaweed extract

Manufacturer: Kelp Products (Pty) Ltd.
P O Box 325
Simon's Town
South Africa
(021) 786 2090

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Raw material:	Fresh material from <i>Ecklonia maxima</i>	34.26%
Additives:	Preservatives and inert materials	65.74%

3. HAZARDS IDENTIFICATION

Possible exposure: Ingestion, inhalation and skin contact

Eye contact: Non-irritant

Skin contact: Non-irritant

Ingestion: Non-toxic

Inhalation: Non-toxic

4. FIRST AID MEASURES AND PRECAUTIONS

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

5. FIRE HAZARDS

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

6. ACCIDENTAL RELEASE MEASUREMENTS

Spillage/leaking: Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

7. HANDLING AND STORAGE

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.
Storage: 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Personal protective

equipment: Chemical goggles or shielded safety glasses and rubber or neoprene gloves are not required, but their use is recommended.

Respiratory: Protection normally not required, but a respirator can be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: light brown liquid
Odour: faint seaweed
pH: 4.2 - 4.6
Boiling point: 101°C
Specific gravity: 1.01 - 1.03
Vapor pressure: not available
Vapor density: not available
Percent volatile: not available
Solubility in water: soluble, aqueous solution

10. STABILITY AND REACTIVITY

Stability: Stable for 3 years under normal storage conditions

Conditions to avoid: Storage in direct sunlight or above 30°C

Incompatibility: Strong bases and oxidizing agents

Hazardous decomposition: No products known

Hazardous polymerization: None known

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Waste disposal:	Contaminated absorbents and surplus product should be buried in accordance with any local legislation.
Container disposal:	Wash thoroughly with water and soap prior to reuse.

14. TRANSPORTATION INFORMATION

Not regulated

15. REGULATORY INFORMATION

Classification: This product is considered non-toxic and non-irritant

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Latest amendment: 17 November 2011

Important:

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