

# MATERIAL SAFETY DATA SHEET

## nhance foliar

VESSEL: MSC MELISSA H1148R

CONTAINER NO: MEDU2265850

SEAL NO: EU0000429897

INTERTEK SEAL NO: 1600755

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Trade name:** nhance foliar

**Chemical name:** *Ecklonia maxima* seaweed extract

**Manufacturer:** nhance foliar manufactured in South Africa for Organix Ltd.

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

**Raw material:** Fresh material from *Ecklonia maxima* 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

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

#### 5. FIRE HAZARDS

<b>Flash point:</b>	None to boiling
<b>Flammable limits:</b>	Not applicable
<b>Extinguishing media:</b>	Use water spray, dry chemical or carbon dioxide
<b>Fire fighting procedure:</b>	Remove container from fire area
<b>Combustion products:</b>	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

<b>Acute oral LD<sub>50</sub>:</b>	>5600 mg/kg in rats – non-toxic
<b>Acute dermal LD<sub>50</sub>:</b>	>8600 mg/kg in rats – non-toxic
<b>Inhalation LC<sub>50</sub>:</b>	>5.92 mg/L air in rats – non-toxic
<b>Skin irritation:</b>	Non-irritant in rabbits
<b>Eye irritation:</b>	Non-irritant in rabbits
<b>Chronic effects:</b>	None known

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

<b>Waste disposal:</b>	Contaminated absorbents and surplus product should be buried in accordance with any local legislation.
<b>Container disposal:</b>	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

**Date of issue:** 22 July 2010

**Latest amendment:** 17 November 2011

### **Important:**

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