

Cutting Edge Formulations, Inc.

3057 Summer Oak Place

Buford, GA 30518

November, 2009



## MATERIAL SAFETY DATA SHEET

### For Avenger Ekolonia Kelp Organic Liquid Fertilizer

#### Emergency Phone Numbers:

Cutting Edge Formulations: (678) 546-5009

CHEMTREC 24 Hour Number (800) 424-9300

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#### Section 1 – IDENTIFICATION

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Product Name: Avenger Ekolonia Kelp Organic Liquid Fertilizer, a liquid concentrated cytoplasm from freshly harvested kelp, Ecklonia maxima. The mechanical manufacturing technique results in cellular shearing and rupturing, obviating the use of chemicals, heat, freezing or dehydration to ensure extended natural hormonal activity.

Organic Plant Growth Stimulant

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| <b>Section 2 – INGREDIENT INFORMATION</b> |
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Avenger Ekolonia Kelp Organic Liquid Fertilizer consists of:

Fresh Ecklonia Kelp Cytoplasm 95%

Organic Preservative System: 5%

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| <b>Section 3 – HEALTH HAZARDS IDENTIFICATION</b> |
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**Health Hazards:** Extremely Low – Avenger Ekolonia Kelp Organic Liquid Fertilizer is regarded as non-toxic and is non-hazardous to users and the environment

**Signs and Symptoms of Exposure:** N/A

**Medical Conditions Generally Aggravated by Exposure:** N/A

**Emergency & First Aid Procedures :** This product is non-toxic

**Eyes:** Rinse with cold water if slight eye irritation is experienced

**Skin:** Rinse off; no precautions required

**Ingestion:** N/A

**Inhalation:** N/A

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| <b>Section 4 – PHYSICAL DATA</b> |
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Appearance: Light Brown Aqueous Liquid

Odor: Earthy aroma

Specific Gravity: 1.03

Flashpoint: N/A

pH: 4.6

Moisture Content: 99.9%  
Boiling Point: 100°

**Section 5 – FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** N/A  
**Extinguishing Media:** N/A  
**Special Fire Fighting Procedures:** N/A  
**Unusual Fire and Explosive Hazards:** N/A  
**Hazardous Decomposition Materials:** N/A  
**Conditions to Avoid for Stability:** N/A

**Section 6 – SPILL OR LEAK PROCEDURES**

**Steps to be Taken if Material is Released or Spilled:** No special precautions as product is non-toxic.

**Section 7 –SPECIAL PROTECTION INFORMATION**

No special precautions as product is non-toxic.

**Section 8 – SPECIAL PRECAUTIONS**

No special precautions as product is non-toxic.

**Section 9 – REGULATORY INFORMATION**

N/A

**Section 10 – TRANSPORTATION INFORMATION**

Special Shipping Information: Class 60 "Liquid Organic Fertilizer"  
TDG Status: N/A  
IMO Status: N/A  
IATA Status: N/A

**Section 11 – ADDITIONAL INFORMATION**

Organic concentrated liquid blend of Humates and Ecklonia kelp. Functions as a Soil Conditioner and Plant Growth Biostimulant.

Harmless to humans, animals and environment.

Key Legend Information:  
ACGIH American Conference of Governmental Industrial Hygienists  
OSHA Occupational Safety and Health Administration  
NTP National Toxicology Program  
IARC International Agency for Research on Cancer 4

*Material Safety Data Sheet  
For Avenger Ekolonia Kelp Liquid Fertilizer*

The information contained herein is based on current knowledge and experience: no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information obtained by the user. No warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment. This information is furnished upon the condition the person receiving it shall determine the suitability for the particular purpose. This MSDS is to be used as a guideline for safe work practices and emergency response.



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