



Ecological Laboratories INC.

Providing Aquatic Solutions Since 1976

MATERIAL SAFETY DATA SHEET

PRODUCT: Vegetable & Fruit Yield Enhancer

SECTION 1: IDENTIFICATION

Manufactures Name: Ecological Laboratories, Inc.
Address: 2525 N.E. 9th Avenue
Cape Coral, FL 33909
Emergency Telephone: (800)424-9300 (outside the U.S.A. (202) 483-7616 collect)
Information Telephone: (800) 645-2976
Date Prepared: 10/04/2011

SECTION 2: COMPOSITIONS/ INGREDIENTS

<u>Material</u>	<u>Percentage</u>
Bacterial culture and Fungal strains	3.65%
Humic acid	3.0%
De-ionized water	96.35%

<u>Guaranteed Analysis</u>	<u>Percentage</u>
Available Phosphate (P ₂ O ₅)	0.5%
Soluble Potash (K ₂ O)	0.09%

<u>Bacterial Content</u>	<u>Specifications</u>
Bacillus amiloliquefaciens	1.0 X 10 ⁷ CFU/mL
Bacillus licheniformis	5.0 X 10 ⁶ CFU/mL
Bacillus megaterium	2.5 X 10 ⁵ CFU/mL
Bacillus subtilis	5.0 X 10 ⁶ CFU/mL
Rhodopseudomonas palustris	8.5 X 10 ⁴ CEq/mL
Rhodospirillum rubrum	2.0 X 10 ⁴ CEq/mL

<u>Mycorrhizae Content</u>	<u>Specifications</u>
Glomus aggregatum	0.9296 propagules/mL
Glomus etunicatum	0.9296 propagules/mL
Glomus intraradices	0.9296 propagules/mL
Glomus mosseae	0.9296 propagules/mL

SECTION 3: HAZARD IDENTIFICATION

Ingestion: No effect if ingested in small amounts. A single dose of this product is rarely toxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop.
Eyes: This material may cause eye irritation.
Skin: Slight staining on skin will occur but is not threatening to health.

SECTION 4: FIRST AID MEASURE

Emergency & First Aid Procedures:
Ingestion: Non-toxic, organic liquid. Harmless if swallowed in small quantities
Eyes: Immediately flush with water for 15 minutes. Seek medical attention if

Skin: irritation persist.
Wash with soap and water.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: None
Extinguishing Media: None
Special Fire Fighting Procedures: None
Unusual Fire & Explosion Hazards: None
Fire & Explosion Hazard Summary: Not considered to be a fire hazard.
Fire-Fighting Equipment/ Procedure: Standard fire fighting equipment

SECTION 6: ACCIDENTAL RELEASE MEASURES

In Case of Spill or Accidental Release: Where possible, flush down drain to waste treatment sewer; otherwise on small spills, use chemical adsorbent and sweep up. For large spills, contain and collect for reuse or disposal

SECTION 7: HANDLING AND STORAGE

Handling: Precautions to be taken in handling or storing: Prevent skin and eye contact. Wash hands thoroughly with soap and water after use. Avoid contact with eyes.
Storage: Store material at temperatures below 120° F./49° C. and above 32° F./0° C.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Protection: NIOSH approved respiratory equipment not required.
Ventilation: Normal
Local exhaust: Normal
Forced exhaust: No
Protective gloves: Rubber gloves not necessary but recommended.
Eye protection: Safety glasses not necessary but recommended
Other protective clothing or equipment: None.
Work/Hygienic practices: Wash hands and face before eating, drinking, or smoking after handling material.

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Boling Point: 100 C
Specific Gravity: 1.04 approx.
Vapor Pressure: Equivalent to water
Melting Point: N/A
Vapor Density: Equivalent to water
Evaporation Rate: N/D
Solubility in Water: 99%
HIMS: Health-1
Fire-0
Reactivity-0
Appearance & Odor: Brown/Black liquid, Earthy odor
PH: 7.0 to 8.0

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Incompatibility (materials to avoid): None
Hazardous Decomposition or byproducts: None
Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGY INFORMATION

None

SECTION 12: ECOLOGICAL INFORMATION

None

SECTION 13: DISPOSAL INFORMATION

Waste and Disposal Method: Dispose of this product or its residues must be in accordance with all local, state, and federal requirements.

SECTION 14: TRANSPORT INFORMATION

D.O.T. Label: None
UN number: None

SECTION 15: REGULATORY INFORMATION

None

SECTION 16: ADDITIONAL INFORMATION

HMIS Rating: HEALTH = 1
FIRE = 0
REACTIVITY = 0

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding these data or the results to be obtained from use thereof. Ecological Laboratories, Inc. assumes no responsibility for the injury to customers or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, since actual use by others is beyond our control, no guarantee, expressed or implied, is made by Ecological Laboratories, Inc. as to the effect of such use, the results to be obtained or the safety and toxicity of the product, nor does Ecological Laboratories, Inc. assume any liability arising out of use, misuse, by others, of the product referred to herein. Information provided herein is provided by Ecological Laboratories, Inc. solely for customer's assistance in complying with the Occupational Safety and Health Act of 1970 and regulations thereunder. Any other use is prohibited.