

MATERIAL SAFETY DATA SHEET

PRODUCT: Foliar Spray & Root Dip

SECTION 1: IDENTIFICATION

Manufactures Name:	Ecological Laboratories, Inc.
Address:	2525 N.E. 9 th 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:	10/03/2011

SECTION 2: COMPOSITIONS/ INGREDIENTS

<u>Material</u>	<u>Percentage</u>
Bacterial culture and Fungal strains	0.65%
Humic acid	3.0%
De-ionized water	96.35%

<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
Pisolithus tinctorius	371,875 propagules/mL
Rhizopogon villosulus	92,968 propagules/mL
Rhizopogon amylopogon	92,968 propagules/mL
Rhizopogon fulvigleba	92,968 propagules/mL
Rhizopogon luteolus	92,968 propagules/mL
Scleroderma cepa	186,718 propagules/mL
Scleroderma citrinum	186,718 propagules/mL

SECTION 3: HAZARD IDENTIFICATION

Inhalation:	Move to fresh air.
Skin absorption:	Systematically toxic concentrations will probably not be absorbed through the skin in man.
Ingestion:	May result extreme diarrhea.
Other effects of overexposure:	May cause infection of in contact with open wounds.

SECTION 4: FIRST AID MEASURES

Ingestion:	Induce vomiting only if advised by physician or poison control center.
Eyes:	Immediately flush with water for at least 15 minutes and have eyes examined and treated by medical personnel. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and footwear. Wash material off the skin with soap and water. Wash clothing and footwear before reuse.

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

Appearance:	Brown/ black liquid
Odor:	Pungent distinctive earthy odor
pH:	6.5 to 8.0
Solubility in Water:	99% Soluble. Disperses in water.
Boiling Point:	100° C
Vapor Pressure (mm Hg):	Equivalent to water
Vapor Density:	Equivalent to water
Specific Gravity:	1.04 approximately
Evaporation Rate:	N/D

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Incompatibility (materials to avoid):	Strong acids or alkali compounds.
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

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