



Ecological Laboratories INC.

Providing Aquatic Solutions Since 1976

MATERIAL SAFETY DATA SHEET

PRODUCT: Photosynthesis Plus

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%
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
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.10° 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: Red to purple liquid
Odor: Pungent and distinctive odor
pH: 6.9 - 7.5
Solubility in Water: N/D
Boiling Point: 212° F
Vapor Pressure (mm Hg): N/D
Vapor Density: N/D
Specific Gravity: 0.9985

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Incompatibility (materials to avoid):
Hazardous Decomposition or byproducts:
Hazardous Polymerization:

Strong acids or alkali compounds.
None
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.