



Ecological Laboratories INC.

Providing Aquatic Solutions Since 1976

MATERIAL SAFETY DATA SHEET

PRODUCT: MICROBE-LIFT Barley Straw Concentrated Extract

SECTION I: 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)
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SECTION II: COMPOSITIONS/ INGREDIENTS

<u>PRODUCT</u>	<u>CAS#</u>	<u>%</u>
Active component	Proprietary	< 15%
Water	7732-18-5	> 85%

Hazardous Ingredients: No hazardous ingredients
Components: Ingredients not precisely identified are non-hazardous & proprietary.
All chemical ingredients appear on the EPA TSCA Inventory.
Values are not product specifications.

OSHA PEL: None
ACGIH TLV: N/A
Other Limits: None

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boling Point: 100⁰ 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: Tan brown liquid
Earthy odor
pH: Range 6.5 to 8.0

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
LEL: N/A
Extinguishing Media: None

Special Fire Fighting Procedures:	N/D
Unusual Fire & Explosion Hazards:	N/A
Fire & Explosion Hazard Summary:	Not considered to be a fire hazard.
Flammable Limits:	N/A
UEL:	N/A
Fire-Fighting Equipment/ Procedure:	Standard fire fighting equipment

N/A = Not applicable N/D = Not determined

SECTION V: REACTIVITY DATA

Stability:	Stable under normal conditions.
Conditions to Avoid:	Strong acids or alkali may oxidize or digest organic matter.
Incompatibility (materials to avoid):	Strong acids or alkali compounds.
Hazardous Decomposition or byproducts:	N/A
Hazardous Polymerization:	Will not occur. This is a non-toxic, nonpathogenic liquid extract of barley

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry:	
Inhalation:	Will not occur.
Skin:	Prolonged contact may cause slight irritation.
Ingestion:	May cause sickness if ingested in large quantities.
Health Hazards:	None Known
Carcinogenicity:	N/A
NTP:	N/A
ARC Monographs:	N/A
OSHA Regulated:	N/A
Signs & Symptoms of Exposure:	
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 redness on hands and forearms if individual has a history of dermal allergic reactions. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact.
Aggravated by Exposure:	May cause infection if in contact with open wounds.
Emergency & First Aid Procedures:	Ingestion: Call poison control center. Eyes: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists. Skin: Remove contaminated clothing and footwear. Wash with soap and water.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedure:	Flush spilled materials into sanitary or storm sewers. Use chemical absorbent and sweep up small spills. Contain and collect large spills.
Waste and Disposal Method:	Dispose of in accordance with federal, state, and local regulations.
Handling and Storing:	Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110 F and keep from freezing.
Other Precautions:	Keep out of reach of children

SECTION VIII: CONTROL MEASURES

Respiratory Protection:	None required for recommended use. Avoid creating aerosols in poorly ventilated areas.
Ventilation:	
Local Exhaust:	Normal
Mechanical:	N/A
General:	
Special:	None
Other:	None
Protective Gloves:	Rubber gloves not necessary but recommended.
Eye Protection:	Safety glasses not necessary but recommended.
Other Protective Equipment:	As determined.
Work/Hygienic Practices:	Normal

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