



## MATERIAL SAFETY DATA SHEET

### PRODUCT: MICROBE-LIFT Barley Extract

#### SECTION I

Manufacturer's Name: Ecological Laboratories, Inc.  
Address: 215 N. Main Street  
Emergency Telephone: (800)424-9300 (outside the U.S.A. (202) 483-7616 collect)  
Information Telephone: (800) 645-2976  
Date Prepared: 12/20/03

#### SECTION II INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients: No hazardous ingredients

Components: Ingredients not precisely identified are nonhazardous & proprietary.  
All chemical ingredients appear on the EPA TSCA Inventory.  
Values are not product specifications.

Non-hazardous liquid organic matter. Active components <15% are proprietary.  
Water, CAS# 7732-18-5, >85%.

OSHA PEL: None  
ACGIH TLV: N/A  
Other Limits: None  
%(optional) N/A

#### SECTION III 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
Appearance & Odor:	Brown liquid Earthy odor	Fire-0	Reactivity-0
PH:	Range 6.5 to 8.0		

#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A	Flammable Limits:	N/A
LEL:	N/A	UEL:	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.		

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## MICROBE-LIFT Barley Extract

### SECTION V REACTIVITY DATA

Stability: (Unstable/Stable)	Stable under normal conditions.
Conditions to Avoid:	Strong acids or alkali may oxidize or digest organic matter.
Incompatibility: <i>(materials to avoid)</i>	Strong acids or alkali compounds.
Hazardous Decomposition or Byproducts:	N/A
Hazardous Polymerization: <i>(May occur. Will not occur)</i>	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: <i>(Acute &amp; Chronic)</i>	None Known
Carcinogenicity:	N/A
NTP-	N/A
IARC Monographs-	N/A
OSHA Regulated-	N/A
Signs & Symptoms of Exposure:	<p>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.</p> <p>Eyes: This material may cause eye irritation.</p> <p>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.</p>
Medical Conditions Generally Aggravated by Exposure:	May cause infection if in contact with open wounds.
Emergency & First Aid Procedures:	<p>Ingestion: Call poison control center.</p> <p>Eyes: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.</p> <p>Skin: Remove contaminated clothing and footwear. Wash with soap and water.</p>

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## MICROBE-LIFT Barley Extract

### SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:	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.
Precautions to be taken in 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 (Specify Type)	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 Clothing or Equipment:	As determined.
Work/Hygienic Practices:	Normal

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