

## **MATERIAL SAFETY DATA SHEET**

**PRODUCT: MICROBE-LIFT Broad Spectrum Disease Treatment**

### **SECTION I: IDENTIFICATION**

Manufactures Name:	Ecological Laboratories, Inc.
Address:	2525 N.E. 9 <sup>th</sup> Avenue Cape Coral, FL 33909
Emergency Telephone:	(800)424-9300 (outside the U.S.A. (202) 483-7616 collect)
Information Telephone:	(800) 645-2976
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### **SECTION II: COMPOSITIONS/ INGREDIENTS**

<u>PRODUCT</u>	<u>CAS#</u>
Water	7732-18-5
Methanal	50-00-0
Methanol	67-56-1
Malachite Green Hydrochloride	569-64-2

### **SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

Appearance and Odor:	Typical formaldehyde odor
Boiling Range:	96° C to 101° C
Specific Gravity:	~1.05
Vapor Pressure at 20 C (in mm of Hg):	67-88 mm Hg @ 20° C (68° F)
Vapor Density (air =1):	~1.03
Solubility in Water:	100%
Evaporation Rate (n-butanol = 1):	Similar to water = 1
% Volatiles:	>99%

### **SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Lower Flammability Limits (% in air):	<7% LEL
Flash Point and methods:	> 69° C (156° F) Closed cup
Flammability Classification:	Non Flammable
Recommended Extinguishing Media:	Specific for each fire type
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when potential for exposure to vapors or products of combustion exists.
Usual Fire/ Explosive Hazards:	None

### **SECTION V: REACTIVITY DATA**

Stability:	Stable under normal conditions.
Conditions to Avoid:	Temperature below 50° F and above 100° F
Incompatibility (materials to avoid):	Strong acids or alkalis, bleaching agents, and strong oxidizing and reducing agents.
Hazardous Decomposition or byproducts:	Fire may cause the formation of carbon monoxide

Hazardous Polymerization:

Will not occur.

## SECTION VI: HEALTH HAZARD DATA

Threshold Limit Value:	Methanal (formaldehyde): 0.75 ppm (OSHA PEL); 0.3 ppm (ACGIH TLV) Methanol (methyl alcohol): 200 ppm (OSHA PEL); 200 ppm (ACGIH TLV)
Effects of Overexposure:	
Eyes:	Can cause chemical burns, vapor can cause irritation, tearing and /or burning sensation.
Skin:	May be harmful if absorbed through the skin; causes irritation and may cause an allergic reaction.
Ingestion:	Poisonous if swallowed; may cause severe irritation and inflammation of the mouth, throat and stomach.
Inhalation:	May cause irritation and inflammation of the lining of the nose, throat and lungs and may cause respiratory sensitization.
Emergency First Aid Procedures:	
Eye Contact:	Flush with water for at least 15 minutes; seek medical help.
Skin Contact:	Wash exposed areas with soap and water. If irritation occurs, get medical attention.
Ingestion:	Dilute by drinking large quantities of water. Do not give anything by mouth to an unconscious person. Contact a physician immediately.
Inhalation:	Remove to fresh air. Contact a physician if irritation develops or persists.
California Warning:	This product is known to contain detectable amounts of a chemical or chemicals known to the State of California to cause cancer/ birth defects or other reproductive harm.

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING, USE AND DISPOSAL

In Case of Fire:	Use CO <sub>2</sub> , water fog, foam or dry chemical (which ever is appropriate for the type of fire involved).
In Case of Spill or Accidental Release:	Spills and accidental release may be absorbed with paper towels or rinsed to sanitary sewers.
Waste Disposal Procedures:	Dispose of per local, state and federal regulations for non-hazardous household chemicals.

## SECTION VIII: CONTROL MEASURES

Respiratory Protection:	Where air contaminants exceed acceptable limits, wear NIOSH/MSHA- approved full-face respirator or half-mask respirator with cartridge(s) or canister specially approved for protection against formaldehyde.
Local Exhaust:	Use as required to reduce or eliminate air contamination.
Protective Gloves:	Rubber gloves not necessary but recommended..
Eye Protection:	Safety glasses not necessary but recommended
Other Protective Equipment:	Apron and boots are recommended for large-scale use of the product.

## SECTION IX: ADDITIONAL PRECAUTIONS:

- (1) Person with preexisting skin disorders or eye irritation should avoid contact with eyes and skin.
- (2) Keep container upright and tightly closed when not in use.
- (3) Do not add any other materials to the container (including unused of material originally removed from the container).

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