



Ecological Laboratories INC.

Providing Aquatic Solutions Since 1976

MATERIAL SAFETY DATA SHEET

PRODUCT: MICROBE-LIFT Broad Spectrum Disease Treatment

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)
Information Telephone: (800) 645-2976
Date Prepared: 12/01/08

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 CO₂, 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).

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, not 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.