

MATERIAL SAFETY DATA SHEET

PRODUCT: MICROBE-LIFT Ich-Out

SECTION I: IDENTIFICATION

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| Manufactures Name: | Ecological Laboratories, Inc. |
| Address: | 2525 N.E. 9 th 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>Chemical Names:</u> | <u>CAS#</u> |
|-------------------------------|-------------|
| Water | 7732-18-5 |
| Methanal | 50-00-0 |
| Methanol | 67-56-1 |
| Malachite Green Hydrochloride | 569-64-2 |

Hazardous Ingredients:
 Methanal <5% by weight
 Methanol <1.5% by weight
 Malachite Green Hydrochloride <0.06% by weight

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

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| Appearance and Odor: | Dark blue-green color with atypical formaldehyde odor |
| Boiling Range: | 96° 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

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| Lower Flammability Limits (% in air): | < 7% |
| Flash Point and methods: | > 69°C (156°F) |
| Flammability Classification: | Non-flammable |
| Recommended Extinguishing Media: | None |
| 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. Water spray can be used to reduce intensity of flames and to dilute spills that result from fire. |
| Usual Fire/ Explosive Hazards: | None |

SECTION V: REACTIVITY DATA

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| Stability: | Stable. |
| Conditions to Avoid: | Store above 60°F and below 100°F |
| Incompatibility (materials to avoid): | Strong acids, alkalies, bleaching agents, and strong oxidizing agents. |
| Hazardous Decomposition or byproducts: | Fire may cause the formation of carbon monoxide |
| Hazardous Polymerization: | Will not occur. |

SECTION VI: HEALTH HAZARD DATA

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| 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

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| 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 nonhazardouse household chemicals. |

SECTION VIII: CONTROL MEASURES

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| Respiratory Protection: | Where air contaminants exceed acceptable limits, wear NIOSH/MSHA-approved full-face respirator or halfmask 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: | Recommended |
| Eye Protection: | 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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