

MATERIAL SAFETY DATA SHEET

MICROBE-LIFT/BMC

Ecological Laboratories, Inc.
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Tel: (516) 379-3441
Issue Date: January 1, 2003
TSCA Status: Exempt
Product Name: MICROBE-LIFT/BMC
Chemical Name: *Bacillus thuringiensis* subspecies *israelensis*
Dot Classification: Not Regulated
EPA Reg. NO.: 62637-1-74466
EPA Establishment No.: 74466-FL-001
HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Name (CAS NO.)	OSHA PEL	ACGIH TLV
<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Serotype H-14 Mixture considered hazardous per OSHA Criteria	NL	NL

PHYSICAL PROPERTIES:

Appearance: Tan Liquid. Potency 1,200 ITU/mg.
Solubility: N/A
Boiling Point: 100 degrees C.
pH: 4.8
Vapor Density: N/A
Viscosity: N/A
Melting Point: N/A
Vapor Pressure: N/A
Specific Gravity: 1.04 – 1.12

FIRE AND EXPLOSION DATA:

Flash Point: N/A
Extinguishing Media: Use appropriate media for cause of fire.
Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus.
Unusual fire and explosion hazards: N/D

REACTIVITY:

Incompatibility: Do not expose to solutions with high alkalinity.
Hazardous Decomposition or Bi-products: N/D
Conditions to Avoid: N/D

HEALTH HAZARD INFORMATION:

Routes of Entry: Inhalation – No
Skin - No
Ingestion - No
Oral Toxicity: N/D. The acute oral LD₅₀ in both male and female rats was > 5,000 mg/kg b.w., for the technical powder used in the formulation indicating that the material is non-toxic by ingestion in single doses.

Dermal Toxicity: N/D. The acute dermal LD₅₀ in both male and female rabbits was found to be > 2,000 mg/kg b.w. for the technical powder used in the formulation indicating that the material no more than slightly toxic by a single skin application.

Dermal and Eye Irritation: The product is considered to be non-irritating to rabbit eye and/or skin.

Dermal Sensitization: Appropriate skin sensitization studies in guinea pigs has indicated that the product is a non-sensitizing agent.

Inhalation Toxicity: N/D. The LC₅₀ in four hour inhalation studies in rats was 25.1 mg/L (actual) of air, the maximum attainable concentration.

Corrosiveness: Non-corrosive.
MICROBE-LIFT/BMC (Biological Larvaecide Aqueous Suspension)

Carcinogenicity: NTP - NL
IARC - NL
OSHA - NL
ACGIH - NL

Signs and Symptoms of Exposure: N/D

Medical Conditions Aggravated by Exposure: N/D. Pre-existing eye lesions or lung disease.

Emergency and First Aid Procedures: Remove individual to fresh air. Seek medical attention if there is difficulty in breathing. If skin or eye contact occurs flush with plenty of water. If irritation occurs, seek medical attention. No known antidote.

SPECIAL HANDLING AND STORAGE:

Tightly reclose containers of unused materials. Do not contaminate water, food, or feed by storage or disposal. Store in a secure, cool, dry, well-ventilated room, building or covered area. Avoid temperatures above 85 degrees F.

SPILL OR LEAK PROCEDURES:

Absorb spill with an inert material, such as clay, and place in a container for disposal.

WASTE DISPOSAL:

Dispose of product in accordance with federal, state, and local regulations.

ADDITIONAL REGULATORY INFORMATION:

Sara Title III Data:

Section 311 and 312 Hazard Categories:

Immediate Health Hazard - None
Delayed Health Hazard - None
Fire Hazard - None
Reactive Hazard - None
Sudden Pressure Release Hazard - None

Section 302: Extremely Hazardous Substances - None

Section 313: Toxic Chemicals - None

CERCLA Reportable Quantity - Not Listed

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**

Legend:

N/A = Not Applicable
N/D = Not Determined
N/L = Not Listed

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or
Outside USA: 202-483-7616 COLLECT**