



MATERIAL SAFETY DATA SHEET
PRODUCT: MICROBE-LIFT POND SALT

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
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SECTION II: COMPOSITIONS/ INGREDIENTS

<u>PRODUCT</u>	<u>CAS#</u>	<u>%</u>
Sodium Chloride	7647-14-5	>99%

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C) @760 mm	1465
Vapor Pressure (mm Hg) @746.9 °C	2.4
Vapor Stability	N/A
Solubility in Water (g/100 cc)	35.7 @ 0 °C, 36.0 @ 20 °C
Appearance and Odor	Solid white or off-white crystalline material is odorless
Specific Gravity (H ₂ O = 1)	2.165
% volatile (by volume)	N/A
Evaporation Rate	N/A

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point	None
Flammable Limits	Not flammable
Special/ unusual Fire Fighting Procedure	None/ Not Combustible
National Fire Protection Association Code	000
Extinguishing media	N/A
Explosive Limits	Not Explosive

SECTION V: REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage. Hygroscopic.

Hazardous Decomposition Products: When heated to above 801C (1474F) it emits toxic fumes of chloride and sodium oxide.

Condition to Avoid: Concentrated acids such as sulfuric acid or nitric

Hazardous Polymerization: Will not occur.

Incompatibilities: Lithium, bromine trifluoride.

Conditions to Avoid: Incompatibles.

SECTION VI: HEALTH HAZARD DATA

Health Rating 1 - Slight
Flammability Rating 0 - None
Reactivity Rating 0 - None
Contact Rating 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES recommended
Storage Color Code Green (General Storage)

Potential Health Effects

Inhalation: May cause mild irritation to the respiratory tract.

Ingestion: Very large doses can cause vomiting, diarrhea, and prostration. Dehydration and congestion occur in most internal organs. Hypertonic salt solutions can produce violent inflammatory reactions in the gastrointestinal tract.

Skin Contact
via ingestion: May irritate damaged skin; absorption can occur with effects similar to those

Eye Contact: Causes irritation, redness, and pain. (For salt concentrations greater than the normal saline present.)

Chronic Exposure: No information found.

Aggravation of
Pre-existing Conditions: No information found.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING, USE AND DISPOSAL

ACCIDENTAL RELEASE MEASURES:

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.
Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

Effect on overdose or overexposure

No acute systemic, chronic systemic or chronic local toxicity. In sensitive person some dermal or eye irritation effects, or after excessive ingestion, edema and/or temporary elevated blood pressure effects. Gavage ingestion of 15-50 g may induce vomiting resulting in partial vacation of stomach contents.

Emergency and first aid procedures

Skin and eyes Flush with water
High fluid intake facilitates urinary excretion and relief of edema and temporary elevated blood pressure.

HANDLING AND STORAGE:

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

Eye goggles and gloves are optional and respiratory unnecessary, but all may be used for comfort.

Store under DRY (less than 75% R.H.) conditions to prevent caking of salt. Store on pallets under protective cover. Do not store cases/bags directly on damp or concrete floors. Avoid pressure packing/caking of bags by stacking pallets no greater than 3 high.

DISPOSAL CONSIDERATION:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION VIII: CONTROL MEASURES

Airborne Exposure Limits	None established.
Ventilation System	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
Personal Respirators (NIOSH Approved)	For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection	Wear protective gloves and clean body-covering clothing.
Eye Protection	Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION IX: TOXICOLOGY INFORMATION

Oral rat LD ₅₀	3000 mg/kg.
Inhalation rat LC ₅₀	> 42 gm/m ³ /1H.
Skin rabbit LD ₅₀	> 10 gm/kg. Investigated as a mutagen, reproductive effector.

SECTION X: ECOLOGICAL INFORMATION

No ecological data available on this material.

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