



Ecological Laboratories INC.

Providing Aquatic Solutions Since 1976

MATERIAL SAFETY DATA SHEET

PRODUCT: MICROBE-LIFT Ammonia Remover

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>
Water	7732-18-5
Sodium Hydroxymethanesulfonate	870-72-4
Sodium Bicarbonate	144-55-8

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: Odorless, colorless liquid
Boiling Range: Greater than 100° C (>212° F)
Specific Gravity: ~1.1476
Vapor Pressure at 20° C (in mm of Hg): N/D
Vapor Density (air =1): N/D
Solubility in Water: 100%
Evaporation Rage (n-butanol = 1): N/D
% Volatiles: Approximately 78% (by weight)

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Lower Flammability Limits (% in air): Not flammable
Flash Point (and methods): Not flammable
Flammability Classification: None
Recommended Extinguishing Media: Suitable for each specific fire conditions
Special Fire Fighting Procedures: No special procedures required
Unusual Fire/ Explosive Hazards: None

SECTION V: REACTIVITY DATA

Stability: Stable under normal conditions.
Conditions to Avoid: None
Incompatibility (materials to avoid): Inactivated by strong oxidizing substances (e.g. chlorine bleaches, permanganates, free iodine) and strong acids and bases (e.g. hydrochloric acid, sodium hydroxide)
Hazardous Decomposition or byproducts: Fully evaporated solution or dry powder may produce sulfur dioxide under conditions of exposure to fire.
Hazardous Polymerization: Will not occur.

SECTION VI: HEALTH HAZARD DATA

Threshold Limit Value:	Solution: non-toxic (by acute oral mammalian toxicity tests) at 5,000 mg/kg
Effects of Overexposure:	No reported inhalation danger; prolonged exposure to the skin may result in a rash.
Emergency First Aid Procedures:	
Eye Contact:	Flush with water for at least 15 minutes.
Skin Contact:	Wash exposed areas with soap and water. If irritation occurs, get medical attention.
Inhalation:	Not an inhalation hazard.
Ingestion:	Treat symptomatically. For sour or salty taste give sweetened drink.
California Warning:	This product is not known to contain any detectable amounts of any 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:	No special extinguishing media or equipment is needed.
In Case of Spill or Accidental Release:	Spills and accidental release may be 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:	None required for recommended use.
Ventilation:	Normal
Local Exhaust:	Normal
Mechanical:	N/A
General:	None
Special:	None
Other:	None
Protective Gloves:	Rubber gloves not necessary but recommended.
Eye Protection:	Safety glasses not necessary but recommended.
Other Protective Equipment:	As determined.
Work/Hygienic Practices:	Normal

N/A = Not applicable N/D = Not determined

SECTION IX: TRANSPORT INFORMATION

D.O.T. Hazard Classification:	None
D.O.T. Label/ Placards:	None Required
UN or NA Number:	None
Reportable Quantity:	None
Shipping Description:	"Saline Solution", #59370, supplement NMF 100C, Class 55

SECTION X: ADDITIONAL INFORMATION

- (1) Person with pre-existing skin disorder or eye irritations should avoid contact of liquid 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 material originally removed from the container).

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