



MATERIAL DATA SAFETY SHEET

Prepared 01/16/2015 N.A. = Does Not Apply | N.K. = Not Known

Section I - Product and Company Identification

Product Name: Bioredux™ MegaMicrobes® Liquid
Common Name: Bacterial wastewater inoculant , organic waste digester, microbial drain line, grease trap and septic treatment, natural drain cleaner

Supplier/ Further Information: NeoLogic Solutions, Inc.
Address: 2299 Ridge Road | Greenville, SC 29607
Emergency Telephone Number: 800-553-7785
Microbial Formulation: The product formulation consists of naturally occurring microorganisms.

Section II - Composition/Information on Hazardous Information

Basic Material: Contains no hazardous substances.

Section III - Hazardous Identification

Emergency Overview: Blue liquid, earthy scent
Potential Health Effects: Acute eye: Considered a slight eye irritant
Acute skin: Not considered to be irritating to the skin
Acute ingestion: Low order of toxicity. LD50> 5,000 mg/Kg (oral, rat)
Acute inhalation: Not an expected route of exposure
Chronic effects: None known.

Section IV - First-Aid Measures

Emergency First Aid Procedures

Eye Contact: Flush eyes with sterile water until irritation subsides or stops. Contact a physician.
Skin Contact: Wash with soap and water
Inhalation: Although not an acute hazard as tested in rates, chronic effects are unknown. Upon prolonged or repeated respiratory exposure, contact a physician.
Ingestion: Low order toxicity. Upon ingestion, induce vomiting and contact a physician.

Section V - Fire-Fighting Measures

Flash Point (Method Used): N.A.
Flammable Limits: LEL N.A. UEL N.A.
Extinguishing Media: N.A.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazard: N.A. in liquid state

Section VI - Accidental Release Measures

Steps to be taken in case material is released or spilled: No Hazard. Wash away with plenty of water.

Section VII - Handling and Storage

Store at room temperature. Protect from freezing.

Section VIII - Exposure Controls/Personal Protection

General Precautions Treat as you would any chemical or biological material. Wear protective water resistant gloves and safety shields if appropriate to specific application
Specific Precaution: This product is not intended for human or animal consumption.

Section IX - Physical and Chemical Properties

Boiling Point (°F): 212 (760 mm Hg)(Approx.)
Specific Gravity : 1.0 (Approx.)
Vapor Pressure (mm Hg): 24.00 (Approx.)
Percent Volatile by volume (%): N.A.
Evaporation Rate: N.K.
Solubility in water: Soluble
Appearance and Odor: Blue color / earthy scent

Section X - Stability and Reactivity Data

Stability:	Stable
Incompatibility:	N.K.
Hazardous Decomposition Products:	This product does not undergo spontaneous decomposition. Typical combustion products are carbon, carbon dioxide, nitrogen and water.
Hazardous Polymerization:	Will not occur.

Section XI - Toxicological Information

Toxicology Acute Studies

- Rat oral LD₅₀ is greater than 5 g/Kg of body weight; as evidenced by no observed mortality after rats were dosed with 5 g/Kg at a concentration of 500 mg **MegaMicrobes Liquid**/ ml of water and a dose volume of 10 ml/Kg of body weight.
- Rabbit dermal LD₅₀ is greater than 2 g/Kg of body weight; as evidenced by no observed mortality after rabbits were exposed to test material applied to abraded and non-abraded occluded skin for 24 hours. No severe dermal effects were reported at the dose site.
- Eye irritation in rabbits was reported as slight. Highest observed scores out of a possible score of 110 were:
1 hour: 12; 24 hours: 8; 48 hours: 4; 72 hours: 4; 4 days: 2;
7 days: 2;
10 days: 2; 14 days: 2
- Rat inhalation of the test material at an average analytical exposure concentration of 1.2 mg/l of **MegaMicrobes Liquid** (nominal concentration of 37 mg/l) for 6 hours produced no mortality.

Chronic Health Hazards

- Although chronic studies using **MegaMicrobes Liquid** are not available, inhalation of this product should be prevented due to unknown long-term effects.

Special Notes: Not for human and animal consumption.

Section XII - Ecological Information

Acute aquatic toxicity LC50	Fathead Minnows
Not toxic at 100%	

Section XIII - Disposal Considerations

Waste Disposal Method: Use normal liquid waste methods in conformance with pertinent federal, state, and local regulations.

Section XIV - Transportation Information

Proper Shipping Name:	Not regulated.
Specific Information:	None.

Section XV - Regulatory Information

Workplace Classification: This product is considered non-hazardous under the OSHA Hazard Communication Standard.

SARA Title 3:	None.
TSCA Status:	Listed.
RCRA Classification:	Unknown.
CERCLA reportable quantity:	None Listed.

Section X - Regulatory Information

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