



MATERIAL SAFETY DATA SHEET

Prepared: 01/01/10

N.A.: Does Not Apply - N.K.: Not Known

SECTION 1 – PRODUCT INFORMATION

Vendor's name: Reclaim Filters & Systems, Inc.
Emergency Telephone Number: Lab number (800) 553-7785
Address: 1833-A 57th Street, Sarasota, Florida 34243
Common Name: Bacterial Inoculant for wastewater treatment
Trade Name: **Blu-Bio** a.k.o munox, biozone
Microbial Formulation: The product formulation consists of naturally occurring microorganisms

SECTION 2 – COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Basic Material Contains No Hazardous Substances

SECTION 3 – HAZARD 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 4 – FIRST AID MEASURES

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

SECTION 5 – 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 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: NO HAZARD wash away with water

SECTION 7 – STORAGE AND HANDLING

Store at room temperature. Protect from freezing

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

General Precautions Treat as any chemical or biological material
Wear Protective water resistant gloves and safety glasses with side shields
Special Precautions This Product is not intended for human or animal consumption

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point	212 degrees F @ 760 mm Hg (approx)
Specific Gravity	1.0
Vapor Pressure (mm Hg)	24.00
Percent Volatile by volume	N.A.
Evaporation Rate	N.K.
Solubility in Water	Soluble
Appearance and Odor	Blue color with earthy scent

SECTION 10 – STABILITY AND REACTIVITY DATA

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

SECTION 11 – TOXICOLOGICAL INFORMATION

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 **Blu-Bio**/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 **Blu-Bio** (nominal concentration of 37 mg/l) for 6 hours produced no mortality.

Chronic Health Hazards

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

SECTION 12 – DISPOSAL CONSIDERATIONS

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

SECTION 13 – TRANSPORTATION

Non regulated no special information required

SECTION 14 – REGULATORY INFORMATION

Workplace classification: Non Hazardous under OSHA Hazard Communication Standard

SARA Title 3: NONE, TSCA: Listed, RCRA, N.A. , CERCLA reportable qty, N.L. not listed.

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