

JELMAR
MATERIAL SAFETY DATA SHEET
CLR SEPTIC SYSTEM TREATMENT

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Osprey Biotechnics **Emergency Phone Number:** 1(800) 323-5497 (USA)
Address: 1833-A 57th Street Monday – Friday 8:30 A.M. – 4:30 P.M. CST
Sarasota, FL 34243 **Emergency Contact:** Chemtrec 1(800) 424-9300

MSDS ID: 118OSP

Common Name: Bacterial inoculant for septic systems
Trade Name: CLR Septic System Treatment
Microbial Formulation: The product formulation consists of naturally occurring microorganisms.

SECTION 2 – HAZARD IDENTIFICATION

Emergency Overview: Clear, 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 3 – COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Basic Material: Contains no hazardous substances.

SECTION 4 – 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 rats, chronic effects are 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 plenty of water.

SECTION 7 – HANDLING AND STORAGE

STORAGE: Store in cool area, away from heat. Keep containers tightly closed. Avoid contact with combustible materials, wood, and organic materials. Store in original container in a secure area away from children and pets.

HANDLING: Avoid contact with eyes, skin or clothing. May be harmful or fatal if swallowed. USE WITH ADEQUATE VENTILATION. Avoid breathing vapors or mist. Do not eat, drink, or smoke in work area. Wash hands thoroughly after use. Consumer containers should be rinsed and recycled.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

General Precautions: Treat as you would 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 (°F):	212 (760 mm Hg)(Approx.)
Specific Gravity:	1.0 (Approx.)
Vapor Pressure (mm Hg):	24.00 (Approx.)
Percent Volatile by volume (%):	N.A.
VOC (Wt. %)	0 (Calculated)
VOC (LBS/GAL)	0 (Calculated)
Evaporation Rate:	N.K.
Solubility in water:	Soluble
Appearance and Odor:	Blue color/earthy scent

SECTION 10 – STABILITY AND REACTIVITY DATA

Stability:	Stable
Incompatibility (Material to avoid):	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 11 – 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 **CLR Septic System Treatment**/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 **CLR Septic System Treatment** (nominal concentration of 37 mg/L) for 6 hours produced no mortality.

Chronic Health Hazards:

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

Special Notes: Not for human and animal consumption.

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SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

SECTION 14 – TRANSPORTATION INFORMATION

Proper Shipping Name: Not Regulated

Special Information: None

SECTION 15 – 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 16 – OTHER INFORMATION

MSDS ABBREVIATIONS: N.A.: Does Not Apply
N.K.: Not Known

Contact: Peter A. Vandenberg, Ph.D., Vice President Science
Osprey Biotechnics
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