

**JELMAR**  
**MATERIAL SAFETY DATA SHEET**  
**CLR SEPTIC SYSTEM TREATMENT**

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

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

<b>Boiling Point (°F):</b>	212 (760 mm Hg)(Approx.)
<b>Specific Gravity:</b>	1.0 (Approx.)
<b>Vapor Pressure (mm Hg):</b>	24.00 (Approx.)
<b>Percent Volatile by volume (%):</b>	N.A.
<b>VOC (Wt. %)</b>	0 (Calculated)
<b>VOC (LBS/GAL)</b>	0 (Calculated)
<b>Evaporation Rate:</b>	N.K.
<b>Solubility in water:</b>	Soluble
<b>Appearance and Odor:</b>	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 LD<sub>50</sub> 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 LD<sub>50</sub> 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**

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**ECOTOXICOLOGICAL INFORMATION:** No data available.

**CHEMICAL FATE INFORMATION:** No data available.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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

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**SECTION 14 – TRANSPORTATION INFORMATION**

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**Proper Shipping Name:** Not Regulated

**Special Information:** None

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**SECTION 15 – REGULATORY INFORMATION**

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**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

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**SECTION 16 – OTHER INFORMATION**

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

**Contact:** Peter A. Vandenberg, Ph.D., Vice President Science  
Osprey Biotechnics  
During business hours, EST (941) 351-2700

**Issue Date:** September, 2012

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