

### 1. IDENTIFICATION:

**Product Name:** GreenClean Granular Algaecide

**Product Type:** Algaecide

**Manufacturer:** BioSafe Systems L.L.C.  
22 Meadow Street  
East Hartford, CT 06108

**Office Telephone Number:** (888) 273-3088

**Emergency:** CHEMTREC: 800-424-9300  
(24 HOURS EVERY DAY)

**Creation Date:** 4/08

**NOTE: NOT VALID TWO YEARS AFTER CREATION DATE.**

### 2. COMPONENTS:

Sodium Carbonate

Peroxyhydrate: CAS 15630-89-4

Sodium Carbonate: CAS 497-19-8

### 3. HEALTH HAZARDS DATA:

**Inhalation:** Slight nose and throat irritation

**Eye contact:** Severe eye irritation, risk of serious eye lesions

**Skin contact:** Slight irritation

**Ingestion:** Severe irritation of the mouth, throat, esophagus and stomach

### 4. FIRST AID:

**If inhaled:** Immediately move a person to fresh air. Consult with a physician in case of respiratory symptoms.

**Eyes:** Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye. Call a physician immediately.

**Skin:** Remove contaminated shoes, socks, and clothing. Wash the affected skin with running water. Wash clothing before reuse.

**If swallowed:** Consult a physician in all cases. If the subject is completely conscious, rinse mouth and administer fresh water. Do NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

### 5. FIRE AND EXPLOSION DATA:

**Special fire hazards:** Oxidizing substance that causes exothermic reactions with organic materials.

**Fire fighting methods:** Product is not flammable and can be quickly diluted with clean water.

**Specific Hazards:** Reacts with oxidizing substances – decomposition may support combustion.

### 6. SPILL OR LEAK PROCEDURES:

**Cleanup:** Collect the product with suitable means, shovel, and sweep, avoiding dust formation.

**Waste Disposal:** Do not return spilled or contaminated material to inventory. Clean the area with large quantities of clean, cold water.

### 7. HANDLING AND STORAGE:

- Never return unused product to the original container
- Keep concentrate away from reactive substances
- Prevent contact with organic materials
- Keep product in original container
- Store in cool, dry area
- Keep out of direct sunlight and away from heat sources

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

**Respiratory:** For most conditions, no respiratory protection should be needed.

**Eyes:** Use dust proof chemical goggles

**Hands:** Protective gloves – chemical resistant

**Skin:** Body-covering clothing

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:** White, granular, solid

**Odor:** None

**Bulk Density:** 1.0 – 1.2 g/cm<sup>3</sup>

**Solubility:** 140 g/L @ 24° C (75° F)

**pH:** 1% solution: 10.4 – 10.6

### 10. STABILITY AND REACTIVITY:

**Stability:** Stable under normal conditions

**Avoid:** Heat/Sources of Heat •

Water/Moisture • Acids • Bases •

Reducing Agents • Organic Materials

### 11. TOXICOLOGICAL INFORMATION:

**Acute Toxicity:**

- Dermal = LD Lo rabbit > 2000 mg/kg
- Inhalation = LC 0.1 hour, rat > 4580 mg/m
- Oral = LD 50 rat 1034 mg/kg

### 12. ECOLOGICAL INFORMATION:

Toxic to simple cell organisms

Danger to the environment is limited - due to product properties.

- No bioaccumulation
- Soil degradation = 99% in 20 minutes
- Considerable abiotic and biotic degradability
- Sediments = Non-significant adsorption
- Weak persistence of degradation products
- Degradation products = sodium carbonate, carbon dioxide, bicarbonate carbonate, hydrogen dioxide.

### 13. DISPOSAL CONSIDERATIONS:

**Packing Treatment:** Rinse empty containers with clean water. Clean and empty containers are to be recycled or disposed on accordance with local regulations.

### 14. TRANSPORT INFORMATION:

**D.O.T. Shipping Name:** Not regulated

**UN Number:** None

**Hazard Class:** None

**Primary Hazard Label:** None

**Subsidiary Risk Label:** None

**Packing Group:** None

**WHMIS Classification:** C – oxidizing material

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**BioSafe Systems<sup>LLC</sup>**

For Additional information on  
GreenClean, call us toll free:  
1.888.273.3088

or visit our website:  
[www.biosafesystems.com](http://www.biosafesystems.com)