

## 1. IDENTIFICATION

**Product Name:** GreenCleanPRO  
Granular Algaecide  
**Product Type:** Algaecide  
**Manufacturer:** BioSafe Systems L.L.C.  
36 Commerce Street  
Glastonbury, CT 06033  
**Creation Date:** 11/05  
**NOTE:** NOT VALID TWO YEARS AFTER  
CREATION DATE.

## 2. COMPONENTS

Sodium Carbonate  
Peroxyhydrate: . . . . .CAS 15630-89-4

## 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 strong reducing agents – 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:** Oxidizing Solid N.O.S.

**UN Number:** UN # 3378

**Hazard Class:** 5.1

**Primary Hazard Label:** Oxidizer

**Subsidiary Risk Label:** None

**Packing Group:** III

**WHMIS Classification:** C – oxidizing material

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