

Material Safety Data Sheet

1. IDENTIFICATION:

Product Name: GreenClean Granular Algaecide
Product Type: Algaecide
Manufacturer: BioSafe Systems L.L.C.
22 Meadow Street East
East Hartford, CT 06108
Office Telephone Number: (888) 273-3088
Emergency: CHEMTREC: 800-424-9300
(24 HOURS EVERY DAY)
Creation Date: 1/08
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/cm³
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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