

1. IDENTIFICATION:

Product Name: GreenCleanPRO
Product Type: Algaecide/Fungicide
Manufacturer: BioSafe Systems LLC
22 Meadow Street
East Hartford, CT 06108

US Patent Number: 5723406
Office Telephone Number: (888) 273-3088
Emergency: CHEMTREC: 800-424-9300
(24 HOURS EVERY DAY)

Creation Date: 11.2011

NOTE: NOT VALID TWO YEARS AFTER CREATION DATE.

EPA Reg No. 70299-15

EST No. 084663-AL-001

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 in eyes: Hold eye open and rinse slowly, and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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/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 50 rabbit > 2000 mg/kg
- Inhalation = LC 50 1 hour, rat > 4580 mg/m³
- Oral = LD 50 rat 1034 mg/kg
- Skin = rabbit, slightly irritant
- Eye = rabbit, slightly irritant
- Sensitization = No data
- Chronic toxicity = No data available

Remarks:

- Harmful if swallowed
- Risk of serious damage to eyes

Chronic Toxicity / Carcinogenic Designation

- None

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.

Acute Toxicity:

- Fishes, Pimephales promelas, LC 50, 71 mg/l
- Fishes, Pimephales promelas, NOEC, 96 h, 7.4 mg/l
- Crustaceans, Daphnia pulex, EC 50, 4.9 mg/l
- Crustaceans, Daphnia pulex, NOEC, 48 h, 2 mg/l

13. DISPOSAL CONSIDERATIONS:

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

14. TRANSPORT INFORMATION:

D.O.T. Shipping Name: Sodium Carbonate

Peroxyhydrate

UN Number: UN # 3378

Hazard Class: 5.1

Primary Hazard Label: Oxidizer

Subsidiary Risk Label: None

Packing Group: II

WHMIS Classification: C – oxidizing material

15. OTHER INFORMATION:

HMIS Rating:

Health-2 Flammability-0 Reactivity-1 PPE-Required

NFPA Rating:

Health-2 Flammability-0 Instability-1

Special hazards-OX

To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability in connection with the information or its use. The information is for use by technically skilled persons at their own discretion and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed.

BioSafe Systems LLC

For additional information on GreenCleanPRO, call us toll-free at 1.888.273.3088.

©2011 Copyright BioSafe Systems LLC. ®GreenCleanPRO is a registered trademark of BioSafe Systems LLC. Always read and follow label directions. 11.11