

**1. IDENTIFICATION**

**Product Name:** TerraCytePRO Algaecide/Fungicide  
**Product Type:** Algaecide/Fungicide  
**Manufacturer:** BioSafe Systems, LLC  
22 Meadow St., East Hartford, CT 06108  
**Telephone Number:** 1.888.273.3088  
**EPA Registration No.** 70299-15  
**Creation Date:** 01.2013  
**Emergency:** CHEMTREC: 800-424-9300

**2. HAZARDS IDENTIFICATION**

**Hazard Classification:** Oxidizer  
**Signal Word:** Danger  
**Hazard Statements:** Strong oxidizing agent. Corrosive. Do not bring in contact with other pesticides, cleaners or oxidative agents.  
**Precautionary Statements:** Hazards to Humans and Domestic Animals-Danger: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**3. COMPOSITION/INFORMATION**

Sodium Carbonate  
Peroxyhydrate.....15630-89-4.....85.00%

**4. FIRST AID MEASURES**

**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 by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**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 water.  
**Specific Hazards:** Reacts with strong reducing agents – decomposition may support combustion.

**6. ACCIDENTAL RELEASE MEASURES**

**Precaution:** Observe hazards outlined in Sections 5 & 8. Keep away materials that are incompatible with this product (section 10). All receiving equipment should be clean, dry, labeled and made of materials compatible with the product.  
**Cleanup:** Do not return spilled or contaminated material to inventory. Collect the product with suitable means, shovel, and sweep, avoiding dust formation.  
**Waste Disposal:** Refer to section 13.

**7. HANDLING AND STORAGE**

**Handling:** Never return unused product to the original container. Keep product away from reactive substances. Prevent contact with organic materials. Keep product in original container.  
**Storage:** Store this product in a cool, dry, well-ventilated area. Keep out of direct sunlight and away from heat sources. Do not freeze. Keep product in original container.

**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  
**Vapor pressure:** N/A  
**Odor threshold:** N/A  
**Vapor density:** N/A  
**pH:** 3% solution: 10.0 – 11.0  
**Relative density:** 1.0 – 1.2 g/cm<sup>3</sup>  
**Melting point/freezing point:** N/A  
**Solubility:** 140 g/L @ 20° C (68° F)  
**Flash point:** N/A  
**Evaporation rate:** N/A  
**Flammability:** Not flammable  
**Vapor density:** N/A  
**Decomposition temperature:** Not available

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal conditions.  
**Conditions to Avoid:** Heat, Sources of Heat, Water/Moisture, Contact with combustible materials.  
**Incompatible Materials:** Acids, Bases, Reducing Agents, Organic Materials.

**11. TOXICOLOGICAL INFORMATION**

**Chronic Toxicity:** No data available.  
**Acute Toxicity:**  
**Eye:** rabbit, slight irritant  
**Skin:** rabbit, slight irritant  
**Inhalation:** LC<sub>50</sub> 1 hour, rat > 4580 mg/m<sup>3</sup>  
**Oral:** LD<sub>50</sub> rat 1034 mg/kg  
**Remarks:** Harmful if swallowed, Risk of serious damage to eyes.

**12. ECOLOGICAL INFORMATION**

Toxic to simple cell organisms. Danger to environment is limited – due to product properties.

- No bioaccumulation
- Considerable abiotic and biotic degradability
- Weak persistence of degradation products
- Degradation products = sodium carbonate, carbon dioxide, bicarbonate carbonate, hydrogen dioxide.

**13. DISPOSAL CONSIDERATIONS**

Nonrefillable container. Do not reuse or refill this container. Rinse empty containers with clean water. Clean and empty containers are to be recycled or placed in the trash.

**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

**15. REGULATORY INFORMATION**

**TSCA Inventory List:** Yes  
**Domestic Substance List:** Listed  
**California Proposition 65:** Not Listed  
**CERCLA Hazardous Substance (40 CFR part 302)**  
**Listed Substance:** No  
**Unlisted Substance:** Yes  
**Reportable Quantity (RQ):** 100 pounds  
**HMS Rating:** Health-2, Flammability-0, Reactivity-1  
**NFPA:** Health-2, Flammability-0, Instability-1, Special Hazards-OX

**16. OTHER INFORMATION**

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For additional information on TerraCytePRO Algaecide/Fungicide, call us toll-free at 1.888.273.3088 or visit [www.biosafesystems.com](http://www.biosafesystems.com).

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