

**1. IDENTIFICATION**

**Product Name:** TerraClean 5.0  
**Product Type:** Bactericide/Fungicide  
**Manufacturer:** BioSafe Systems, LLC  
22 Meadow St., East Hartford, CT 06108  
**Telephone Number:** 1.888.273.3088  
**EPA Registration No.** 70299-13  
**Emergency:** CHEMTRAC: 800-424-9300

**2. HAZARDS IDENTIFICATION**

**Hazard Classification:** Oxidizer  
**Signal Word:** Danger  
**Hazard Statements:** Strong oxidizing agent. Do not use in concentrated form. Never bring concentrate in contact with other pesticide, 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.

**3. COMPOSITION/INFORMATION**

Hydrogen Dioxide.....79-21-0.....27.0%  
Peroxyacetic Acid.....7722-84-1.....5.0%

**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 mouth-to-mouth if possible. Call 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:** Decomposing product releases oxygen thereby adding to a fire hazard.  
**Fire fighting methods:** Product is not flammable and can be quickly diluted with clean water.  
**Specific hazards:** Oxidizing Agent. May cause spontaneous ignition with oxidizing agents.

**6. ACCIDENTAL RELEASE MEASURES**

**Precaution:** Observe hazards outlined in Sections 5 & 8. Avoid materials that are incompatible with

concentrate (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. Dike or dam large spills, pump to containers or soak in inert absorbent. Flush residue to sanitary sewer, rinse area thoroughly with clean water. Waste Disposal: Refer to Section 13.

**7. HANDLING AND STORAGE**

**Handling:** Never return unused product to the original container. Keep concentrate away from reactive substances. 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. Keep product in original container. Use vented container.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory:** NIOSH approved full-face respirator for excessive conditions.  
**Eyes:** Chemical proof goggles/face shield for splash risk.  
**Hands:** Protective gloves – chemical resistant  
**Skin:** Body – covering clothing. Use aprons.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear, colorless liquid  
**Odor:** Pungent  
**Freezing point:** -30°C (-22°F)  
**Boiling point:** N/A; product decomposes  
**Specific gravity:** 1.09  
**Solubility:** Complete  
**Decomposition temperature:** Self-accelerating decomposition temperature >55°C (>131°F)  
**pH:** 1.33

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal conditions.  
**Conditions to Avoid:** Heat, water/moisture, contact with combustible materials.  
**Incompatible Materials:** Acids, bases, reducing agents, organic materials, metals, salts of metals.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicology:**  
Oral route: LD<sub>50</sub>, rat 330 mg/kg (7% solution).  
Dermal route: LD<sub>50</sub> rabbit, 1410 mg/kg (10% solution).  
Inhalation: LD<sub>50</sub>, 4 h., rat 4080 mg/kg (5% solution).  
**Chronic toxicity:**  
Dermal = >0.12% solution, irritating effect  
Inhalation: = >5mg/m<sup>3</sup>, irritant

**12. ECOLOGICAL INFORMATION**

Toxic to simple cell and aquatic organisms. Danger to the environment limited; due to product properties. No bioaccumulation, soil degradation = 99% in 20 minutes.. Degrades into water & oxygen.

**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**

**DOT Shipping Name:** Organic Peroxide type F, liquid  
**Technical Name:** Peroxyacetic Acid, Type F, Stabilized  
**UN Number:** 3109  
**Hazard Class:** 5.2  
**Subsidiary Hazard Class:** (8)  
**Primary Hazard Label:** Organic Peroxide  
**Subsidiary Risk Label:** Corrosive  
**Packing Group:** II

**15. REGULATORY INFORMATION**

**TSCA Inventory List:** Yes  
**Listed Substance:** No  
**Unlisted Substance:** Yes  
**Characteristic:** Corrosive  
**Reportable Quantity:** 100 pounds  
**NFPA Rating Health – 2** Flammability – 0 Reactivity – 3 Special – OXY  
**HMIS Rating Health – 2** Flammability 0 – Reactivity – 2 PPE – Required  
**U.S. Federal Regulations:** SARA TITLE III SECTION 302 (Peroxyacetic acid) reportable quantities = 500 lbs, planning threshold = 500 lbs. SECTION 311/312 Acute Health Hazard, Reactivity Hazard, Fire Hazard SECTION 313 (Peroxyacetic acid) reportable threshold: 1.0%. 10000lbs (otherwise used (non-manufacturing/processing) 25000 lbs (manufacturing and processing).

**16. OTHER INFORMATION**

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For additional information on TerraClean® 5.0 call us toll-free at 1.888.273.3088 or visit [www.biosafesystems.com](http://www.biosafesystems.com).

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