

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BioSafe Disease Control
 U.S. EPA #70299-16
Product Type: Algaecide / Fungicide / Bactericide
Manufacturer: BioSafe Systems LLC
 22 Meadow Street
 East Hartford, CT 06108
 (888) 273-3088
Emergency: CHEMTREC: 800-424-9300
 (24 HOURS EVERY DAY)
Creation Date: 11/2013

2. COMPOSITION OF / INFORMATION ON INGREDIENTS

Hazardous Components:	CAS #	Percentage by weight
Hydrogen peroxide	7722-84-1	5.34
Peroxyacetic acid	79-21-0	1.36

3. HAZARDS IDENTIFICATION

Health effects from over exposure to CONCENTRATE via eye contact, skin contact, inhalation, and ingestion.
Eyes: May cause severe eye damage
Skin: May cause temporary discoloration and irritation
Inhalation: May cause mild irritation from mist or vapor. Symptoms may include sneezing, sore throat, or runny nose.
Ingestion: Swallowing may cause burns of mouth, throat, and stomach. Symptoms may include bleeding, vomiting, or diarrhea.

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 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.
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 the poison control center. Do not give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Specific hazards: Not applicable
Fire fighting methods: Dry chemical, water spray, foam, carbon dioxide.
Extinguishing media that must not be used for safety reasons: No information available.

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, vented, labeled and made of materials compatible with the product.
Cleanup: Do not return spilled or contaminated material to inventory. Rinse small amounts to drain, when possible. Clean the area with water.
Waste Disposal: Refer to section 13.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory: Avoid breathing mists or vapors of concentrate.
Eyes: Use chemical splash goggles when handling concentrate. For continued severe exposure, wear a face shield over the goggles.
Skin: Rubber gloves – protective or gauntlet type preferred when handling concentrate. A protective apron should be worn when splashes are likely. Rubber boots should be used for spill response.

9. PHYSICAL AND CHEMICAL PROPERTIES

Undiluted
Physical state: Liquid
Appearance: Colorless, aqueous solution
Odor: Pungent
Density: 1.04
Solubility: Complete
pH: 1.13
Flash point: N/A
VOC: None
Boiling point: Not applicable, product decomposes
Decomposition temperature: Self-accelerating decomposition temp. >55°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions, with slow oxygen release.
Conditions to avoid: Heat / direct sunlight, contact with combustible materials
Incompatible materials: Acids · Bases · Reducing Agents · Organic Materials · Metals · Salts of Metals

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
 Dermal = LD50 estimated to be > 2,000 mg/kg

Oral = LD50 estimated to be more than 5,000 mg/kg

Chronic Toxicity:
 No data available

12. ECOLOGICAL INFORMATION

Toxic to simple cell organisms and aquatic 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 absorption
- Weak persistence of degradation products
- Degradation products = water & oxygen

13. DISPOSAL CONSIDERATIONS

Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If waste cannot be disposed according to label instructions, contact your state agency responsible for the disposal of waste products.
 Packaging Treatment: Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

This product is not defined as a hazardous material in accordance with the U.S. Department of Transportation.

15. REGULATORY INFORMATION

US Regulations
TSCA Inventory 8(b): No
SARA Title III Sec 302/303 Extremely Hazardous Substances (40 CFR 355): No
SARA Title III Sec. 311/312 (40 CFR 370): No

16. OTHER INFORMATION

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