

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/cm³

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: LC₅₀ 1 hour, rat > 4580 mg/m³

Oral: LD₅₀ 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

HMIS Rating: Health-2, Flammability-0, Reactivity-1

NFPA: Health-2, Flammability-0, Instability-1, Special Hazards-OX

16. OTHER INFORMATION

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