

1. IDENTIFICATION:

Product Name: TerraCytePRO
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: 1.2012

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

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