

# TerraCyte<sup>®</sup> PRO

Broad Spectrum Algaecide/Fungicide

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: TerraCyte PRO U.S. EPA #70299-6  
 Product Type: Algaecide/Fungicide

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: 11/2008

**NOTE: NOT VALID TWO YEARS AFTER CREATION DATE.**

## 2. HAZARDS IDENTIFICATION

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

## 3. COMPOSITION OF / INFORMATION ON INGREDIENTS

<b>Sodium Carbonate Peroxyhydrate</b>	CAS# 15630-89-4	≥ 85%
<b>Sodium Carbonate</b>	CAS# 497-19-8	
<b>Sodium Metasilicate</b>	CAS# 6843-92-0	

## 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.

## 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 clean water.  
**Specific hazards:** Reacts with strong reducing agents – decomposition may support combustion.

## 6. ACCIDENTAL RELEASE MEASURES

**Precautions:** Observe hazards outlined in Sections 5 & 8  
 Keep away materials that are incompatible with this product (section 10)  
 Avoid direct contact of this product with water.

**Cleanup:** Collect the product with suitable means, shovel, and sweep, avoiding dust formation.  
 All receiving equipment should be clean, dry, vented, labeled and made of materials compatible with the product.  
 Do not return spilled or contaminated material to inventory.  
 Clean the area with large quantities of water.

**Waste Disposal:** Refer to section 13.

## 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 a cool, dry area.  
Keep out of direct sunlight and away from heat sources.

## 8. EXPOSURE CONTROL / 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
General:	Shower and eye wash stations should be near by and ready for use. Consult an industrial hygienist or safety manager for the selection of personal protective equipment suitable for the working conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White, granular, solid
Odor:	None
Bulk Density:	1.0 – 1.2 g/cm <sup>3</sup>
Solubility:	140 g/L @ 24° C (75°F)
pH:	1% solution: 10.4 – 10.6
Boiling/Melting Point:	N/A
Vapor Pressure:	N/A

## 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:

**Eye** = Rabbit, severe damage

**Dermal** = LD lo rabbit, > 2,000 mg/kg

**Inhalation** = LC<sub>0</sub>, 1 hour, rat > 4,580 mg /m<sup>3</sup>

**Oral** = LD<sub>50</sub> rat 1,034 mg/kg

### Chronic Toxicity:

No data available

## 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, carbonic acid/bicarbonate/carbonate, hydrogen dioxide.

## 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

D.O.T. Shipping Name: Sodium Carbonate Peroxyhydrate  
UN Number: 3378  
Hazard Class: 5.1  
Primary Hazard Label: Oxidizer  
Subsidiary Risk Label: None  
Packing Group: II  
WHMIS Classification: C – oxidizing material

#### 15. REGULATORY INFORMATION

##### US Regulations

**TSCA Inventory 8(b):** Yes

**SARA Title III Sec 302/303 Extremely Hazardous Substances (40 CFR 355):** No

**SARA Title III Sec. 311/312 (40 CFR 370):** Yes

Hazard Category: Fire Hazard  
Threshold planning quantity – 10,000 lbs.

**SARA Title III Sec. 313 Toxic Chemical Emissions reporting (40 CFR 372):** No

**CERCLA Hazardous Substances (40 CFR 302)**

Listed: No

Unlisted Substance: Yes, reportable quantity 100 lbs.

Characteristic: D001 (Ignitability)

#### 16. OTHER INFORMATION

##### Ratings:

**NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)**

Health = 2 Fire = 0 Instability = 1 Special = OX

**HMIS (HAZARDOUS MATERIAL INFORMATION SYSTEM)**

Health = 2 Fire = 0 Reactivity = 1 PPE = Supplied by User, dependent on local conditions.

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