


Section 1: Identification	
Product Name: TerraCyte® PRO	Product Type/Description: Fungicide/Algaecide
Recommended Use/ Use Restrictions: Pesticide, Turf Treatment. It is a violation of federal law to use this product in a manner inconsistent with its labeling	Other Means of Identification: Sodium Carbonate Peroxyhydrate, Sodium Percarbonate, SPC
	EPA Registration Number: 70299-15
Manufacturer: BioSafe Systems LLC 22 Meadow Street, East Hartford, CT 06108	Emergency Number: 800-424-9300 (CHEMTREC)
Telephone Number: (888-273-3088)	

Section 2: Hazard Identification		
GHS Classification: Oxidizing Solid: Category 2 Acute Toxicity (Oral): Category 4 Eye Damage Category 1	Hazard Statements: H272 – May intensify fire, oxidizer. H302 – Harmful if swallowed. H318 – Causes serious eye damage.	Pictograms: 
Signal Word: DANGER		

Precautionary Statements:	
General: P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use. Prevention: P210: Keep away from heat, sparks or open flames, no smoking P220: Store away from combustible materials P221: Take any precautions to avoid mixing with combustibles P280: Wear protective gloves, clothing, eye protection, face protection	Response: P301 + P312: IF SWALLOWED : Call a POISON CENTER or doctor/physician if you are unwell P301 + P352 IF ON SKIN: Wash with plenty of water P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. P310: Immediately call a POISON CENTER/doctor Disposal P501 Dispose of contents/container in accordance with local/regional/national/international regulations
Other Information: NFPA Rating: Health – 2 Flammability – 0 Reactivity – 1 Special – OXY HMIS Rating: Health – 2 Flammability – 0 Reactivity – 1 PPE – Required	

Section 3: Composition/Information on Ingredients		
Components: Sodium carbonate peroxyhydrate	Identifiers: 15630-89-4	% Concentration by Weight: 85.0%

Section 4: First-aid Measures	
Eye Contact:	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.
Skin Contact:	Remove contaminated clothing and wash affected area with soap and warm, running water. If irritation persists, consult a physician.
Ingestion	Consult with physician in all cases. Rinse mouth and administer fresh water, do not induce vomiting.
Inhalation:	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:	Oxidizer, corrosive. Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire-fighting Measures

Suitable Extinguishing Media:	Water, fire extinguisher media
Unsuitable Extinguishing Media:	None known
Combustion Products:	CO, CO ₂ , O ₂
Unusual Fire and Explosion Hazards:	Oxidizing substance, exothermic decomposition releases oxygen, may support combustion.
Protective Equipment for Firefighters:	Personnel should wear normal protective gear (full bunker gear) and breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions:	Work to prevent dust cloud formation. No open flames in area. Wear protective clothing and glasses.
Emergency Procedures	Keep away from incompatible products, sweep up to prevent slipping hazard
Environmental Precautions	Avoid release to the environment, contain released material
Methods and Material for Containment and Cleaning up	Place spilled material into a suitable container using protective clothing, avoid dust cloud formation. After removing material, clean affected area/surfaces with an excess of water.

Section 7: Handling and Storage

Handling:	Avoid creating dust. Keep away from open flames/heat. Keep container closed tightly when not in use. Wear safe clothing and eye protection.
Storage:	Keep container closed tightly in storage. Store in a dry location and out of direct sunlight. Store separately from incompatible materials.
Incompatible Materials:	Oxidizing agents (strong acids/bases), metals, organic materials, water/moisture.

Section 8: Exposure Controls/Personal Protection

Engineering Controls		Avoid raising dust, Keep away from flames/heat. General room ventilation is required, maintain adequate ventilation
Personal Protection Equipment	Respiratory	For most conditions, no respiratory protection should be needed. For excessive dust condition: dust mask with filter type P2
	Eye/Face Protection	Face shield, in case of dust production; protective goggles
	Hands	Protective gloves - chemical resistant
	Skin/Body	Protective clothing – dust proof clothing
	General Hygienic Practices	Wash with soap and water after use. Wash chemical from skin as soon as possible, especially before eating or smoking

Section 9: Physical and Chemical Properties

Appearance: White granular solid	Odor: None	pH: 3% solution approx. 10.5
Melting Point: N/A	Freezing Point: N/A	Boiling Point: N/A
Flash Point: N/A (inorganic)	Flammability: Non combustible	Flammable Limits: N/A
Vapor Pressure: N/A	Bulk Density: 0.9 – 1.2 g/cm ³	Solubility (ies): 140g/L at 20 C
Partition Coefficient n- octanol/water: N/A	Auto-ignition Temperature: N/A	Decomposition Temperature: >55°C

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions
Conditions to Avoid	Heat/heat sources and moisture
Incompatible materials	Water, strong acids/bases, metals, organic materials, reducing agents.
Hazardous Decomposition Products	Oxidation can increase fire risk. Decomposition releases CO ₂ and O ₂

Section 11: Toxicological Information		
Acute Toxicological Date:	Oral Toxicity: LD50 rat, male/female 1034 mg/kg	Dermal Toxicity: LD50: rabbit, male/female >2000 mg/kg
Inhalation Toxicity: LD 50: 1 hour, rat > 4580 mg/m3	Skin irritation: slight irritant	Eye irritation: Highly irritating
Likely Routes of Exposure:		
Symptoms and effects:		
	Acute Effects	
Eye Contact	Risk of severe damage	
Skin Contact	Slight irritation	
Inhalation	May cause respiratory track irritation	
Ingestion	Harmful if swallowed	

Section 12: Ecological Information	
Ecotoxicity	Fishes, Pimephales promelas, LC50, 71 mg/l, Daphnia pulex EC50 4.9mg/l 48 hrs.
Persistence and degradability	Bio-degrades rapidly and naturally into water and oxygen
Bioaccumulation potential	None
Mobility in Soil	Low potential for adsorption in soil
Other adverse effects	Danger to environment is limited – due to product properties

Section 13: Disposal Considerations	
Waste From Residues and Unused Product	Dispose of waste in accordance with local and/or federal, state and local regulations
Contaminated Container Disposal	Non-refillable 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.

Section 14: Transport Information						
	UN Number	UN Proper Shipping Name	Hazard Class (Subsidiary)	Label (Subsidiary)	Packing Group	Marine Pollutant
US DOT	3378	Sodium Carbonate Peroxyhydrate	5.1	Oxidizer	II	No
Special Precautions: Shipping Container: UN Certified vented						

Section 15: Regulatory Information		
TSCA Inventory List: In compliance with inventory	US EPA CERCLA Hazardous Substances: not regulated	
SARA Title III Section 302/303 Extremely Hazardous Substance: not listed	EHS RQ: N/A	TPQ: N/A
SARA Title III Sec. 311/312:	Hazard category: Fire hazard	TPQ: N/A
US. EPA EPCRA Section 313 listed: not listed	Threshold quantity (processed or manufactured): N/A	Threshold quantity (otherwise used): N/A
Canadian WHIMIS Classification	C, D2B	
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.	
EPA	This product is a registered Pesticide with the United States Environmental Protection Agency and is subject to EPA labeling requirements under the Federal Insecticide, Fungicide, and Rodenticide Act ("FIFRA"). These requirements may differ from the classification criteria and hazard information required for a safety data sheet under the Global Harmonized Systems (GHS), and for workplace labels of non-pesticide chemicals. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Always refer to product label for further precautionary information and use directions.	

Section 16: Other Information

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For additional information on TerraCyte PRO call us toll-free at 1.888.273.3088 or visit www.biosafesystems.com.

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