


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

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

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

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

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

Section 5: Fire-fighting Measures	
<b>Suitable Extinguishing Media:</b>	Water, fire extinguisher media
<b>Unsuitable Extinguishing Media:</b>	None known
<b>Combustion Products:</b>	CO, CO <sub>2</sub> , O <sub>2</sub>
<b>Unusual Fire and Explosion Hazards:</b>	Oxidizing substance, exothermic decomposition releases oxygen, may support combustion.
<b>Protective Equipment for Firefighters:</b>	Personnel should wear normal protective gear (full bunker gear) and breathing apparatus.

Section 6: Accidental Release Measures	
<b>Personal Precautions:</b>	Work to prevent dust cloud formation. No open flames in area. Wear protective clothing and glasses.
<b>Emergency Procedures</b>	Keep away from incompatible products, sweep up to prevent slipping hazard
<b>Environmental Precautions</b>	Avoid release to the environment, contain released material
<b>Methods and Material for Containment and Cleaning up</b>	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	
<b>Handling:</b>	Avoid creating dust. Keep away from open flames/heat. Keep container closed tightly when not in use. Wear safe clothing and eye protection.
<b>Storage:</b>	Keep container closed tightly in storage. Store in a dry location and out of direct sunlight. Store separately from incompatible materials.
<b>Incompatible Materials:</b>	Oxidizing agents (strong acids/bases), metals, organic materials, water/moisture.

Section 8: Exposure Controls/Personal Protection		
	<b>Engineering Controls</b>	Avoid raising dust, Keep away from flames/heat. General room ventilation is required, maintain adequate ventilation
<b>Personal Protection Equipment</b>	<b>Respiratory</b>	For most conditions, no respiratory protection should be needed. For excessive dust condition: dust mask with filter type P2
	<b>Eye/Face Protection</b>	Face shield, in case of dust production; protective goggles
	<b>Hands</b>	Protective gloves - chemical resistant
	<b>Skin/Body</b>	Protective clothing – dust proof clothing
	<b>General Hygienic Practices</b>	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		
<b>Appearance:</b> White granular solid	<b>Odor:</b> None	<b>pH:</b> 3% solution approx. 10.5
<b>Melting Point:</b> N/A	<b>Freezing Point:</b> N/A	<b>Boiling Point:</b> N/A
<b>Flash Point:</b> N/A (inorganic)	<b>Flammability:</b> Non combustible	<b>Flammable Limits:</b> N/A
<b>Vapor Pressure:</b> N/A	<b>Bulk Density:</b> 0.9 – 1.2 g/cm <sup>3</sup>	<b>Solubility (ies):</b> 140g/L at 20 C
<b>Partition Coefficient n- octanol/water:</b> N/A	<b>Auto-ignition Temperature:</b> N/A	<b>Decomposition Temperature:</b> >55°C

Section 10: Stability and Reactivity	
<b>Stability:</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Heat/heat sources and moisture
<b>Incompatible materials</b>	Water, strong acids/bases, metals, organic materials, reducing agents.
<b>Hazardous Decomposition Products</b>	Oxidation can increase fire risk. Decomposition releases CO <sub>2</sub> and O <sub>2</sub>

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

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

Section 13: Disposal Considerations	
<b>Waste From Residues and Unused Product</b>	Dispose of waste in accordance with local and/or federal, state and local regulations
<b>Contaminated Container Disposal</b>	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
<b>Special Precautions:</b> Shipping Container: UN Certified vented						

Section 15: Regulatory Information		
<b>TSCA Inventory List:</b> In compliance with inventory	<b>US EPA CERCLA Hazardous Substances:</b> not regulated	
<b>SARA Title III Section 302/303 Extremely Hazardous Substance:</b> not listed	<b>EHS RQ:</b> N/A	<b>TPQ:</b> N/A
<b>SARA Title III Sec. 311/312:</b>	<b>Hazard category:</b> Fire hazard	<b>TPQ:</b> N/A
<b>US. EPA EPCRA Section 313 listed:</b> not listed	<b>Threshold quantity (processed or manufactured):</b> N/A	<b>Threshold quantity (otherwise used):</b> N/A
<b>Canadian WHIMIS Classification</b>	C, D2B	
<b>California Prop 65</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.	
<b>EPA</b>	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 GreenClean PRO call us toll-free at 1.888.273.3088 or visit [www.biosafesystems.com](http://www.biosafesystems.com).

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