SAFETY DATA SHEET (SDS)
GreenClean® PRO

Section 1: Identification

Product Name: GreenClean® PRO
Recommended Use: Pesticide, Water Treatment
Use Restrictions: It is a violation of federal law to use this product in a manner inconsistent with its labeling.
Manufacturer: BioSafe Systems, LLC
22 Meadow Street | East Hartford, CT 06108
Telephone Number: 1-888-273-3088
Emergency Number: 1-800-424-9300 (CHEMTREC)

Section 2: Hazard Identification

GHS Classification
Oxidizing Solid: Category 3
Acute Toxicity (Oral): Category 4
Serious 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.

Response
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303+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.

Prevention
P210: Keep away from heat, sparks or open flames, and other ignition sources. No smoking.
P220: Store away from combustible materials.
P221: Take any precautions to avoid mixing with combustibles.
P264: Wash skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves, clothing, eye protection, face protection.

Storage / Disposal
P420: Store away from incompatible materials.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No</th>
<th>% Composition (w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate Peroxyhydrate</td>
<td>15630-89-4</td>
<td>85.0%</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Eye Contact: Hold eye(s) open and rinse cautiously with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

Skin Contact: 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 irritation persists.

Ingestion: Call poison control center or doctor immediately for treatment advice. Rinse mouth with water. 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.

Inhalation: Move person to fresh air. If person is not breathing, call 911. Call poison control center or doctor for treatment advice.

Notes to Physician: Material is corrosive and probably mucosal damage may contraindicate the use of gastric lavage.
Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water or water spray.
Unsuitable Extinguishing Media: None.
Combustion Products: Carbon monoxide, carbon dioxide, oxygen.
Unusual Fire and Explosion Hazards: Oxidizing substance, exothermic decomposition releases oxygen, may support combustion.
Protective Equipment for Firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

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: Prevent entry to sewers and public waters. Avoid release to the environment.
Methods and Material for Containment and Clean-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. Never return unused product to original storage container.
Storage: Keep container closed tightly in storage. Store in a dry location and out of direct sunlight. Store separately from incompatible materials. Store at temperatures less than 40°C (104°F).
Incompatible Materials: Oxidizing agents (strong acids/bases), metals, organic materials, water/moisture.

Section 8: Exposure Controls / Personal Protection

Components with Workplace Control Parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate Peroxyhydrate</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

Engineering Controls: Avoid raising dust, Keep away from flames/heat. General room ventilation is required, maintain adequate ventilation. Emergency eye wash station should be in close proximity.
General Hygienic Practices: Do not eat, drink or smoke during use. Wash hands with soap and water after use.
Respiratory Protection: For most conditions, no respiratory protection should be needed. For excessive dust condition: dust mask or NIOSH approved particulate respirator.
Eye / Face Protection: Chemical goggles or face shield.
Hands: Chemical resistant gloves.
Skin / Body: Wear suitable protective clothing. Apron and boots made of butyl rubber for high risk exposure.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White, granular solid.</td>
</tr>
<tr>
<td>pH</td>
<td>10.5 in 3% solution.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.9 - 1.2 g/cm³</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility</td>
<td>140 g/L at 20°C</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Self-accelerating decomposition temperature &gt; 55°C</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition Coefficient n-octanol / water</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions.
Conditions to Avoid: Heat/heat sources and moisture.
Hazardous Decomposition Products: Thermal decomposition generates carbon dioxide and oxygen which supports combustion.
SAFETY DATA SHEET (SDS)

GreenClean® PRO

Section 11: Toxicological Information

Acute Toxicological Data

Oral LD50: 1034 mg/kg (rat)  
Dermal LD50: >2000 mg/kg (rabbit)  
Inhalation LC50: 1 hour - >4580 mg/m³ (rat)

Likely Routes of Exposure: Inhalation, eye contact, skin contact.

Symptoms and Effects

<table>
<thead>
<tr>
<th>Condition</th>
<th>Acute Effects</th>
<th>Chronic (Delayed) Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact:</td>
<td>Causes serious eye damage.</td>
<td>None.</td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>Causes severe skin burns.</td>
<td>None.</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>May cause respiratory tract irritation.</td>
<td>None.</td>
</tr>
<tr>
<td>Ingestion:</td>
<td>Harmful if swallowed.</td>
<td>None.</td>
</tr>
</tbody>
</table>

Section 12: Ecological Information

Ecotoxicity: Fishes, *Pimephales promelas*, LC50, 71 mg/L; *Daphnia pulex* EC50, 4.9mg/L.

Persistence and Degradability: Biodegrades rapidly into water and oxygen.

Bioaccumulation Potential: Does not bioaccumulate.

Mobility in Air/Water/Soil: Non-significant adsorption in soil.

Other Adverse Effects: No data available.

Section 13: Disposal Considerations

Waste from Residues and Unused Product: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Contaminated Container Disposal: Do not reuse or refill this container. Triple rinse empty containers with clean water and dispose of rinsate in accordance with local regulations.

Section 14: Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>UN Proper Shipping Name</th>
<th>Hazard Class (Subsidiary)</th>
<th>Label (Subsidiary)</th>
<th>Packing Group</th>
<th>Marine Pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>Sodium Carbonate Peroxyhydrate</td>
<td>5.1</td>
<td>Oxidizer</td>
<td>II</td>
<td>NO</td>
</tr>
<tr>
<td>CAN TDG</td>
<td>Sodium Carbonate Peroxyhydrate</td>
<td>5.1</td>
<td>Oxidizer</td>
<td>II</td>
<td>NO</td>
</tr>
</tbody>
</table>

Special Precautions: Not applicable.

Section 15: Regulatory Information

TSCA Inventory List: Yes  
US EPA CERCLA Hazardous Substances: Not applicable.

SARA Title III Sec. 302/303: Not applicable.  
SARA Title III Sec. 311/312: Not applicable.  
US EPA EPCRA Sec. 313: Not applicable.

NPFRA Rating  
Health: 2  
Flammability: 0  
Reactivity: 1  
Special: OX (Oxidizer)

HMIS Rating  
Health: 2  
Flammability: 0  
Physical: 1  
PPE: Recommended.

CAN WHMIS Classification  
C – Oxidizing; D2B - Materials causing other toxic effects

California Prop 65  
This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

EPA  
This product is a registered sanitizer / disinfectant 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

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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For additional information, call us toll-free at 1.888.273.3088 or visit www.biosafesystems.com
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Revision Date: 01/14/2019
Current Revision Number: 04

Key to Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygiene</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute of Occupational Safety and Health</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>EHS</td>
<td>Environmental Health and Safety</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>TPQ</td>
<td>Threshold Planning Quantity</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Act</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
<tr>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System (Canada)</td>
</tr>
<tr>
<td>TWA</td>
<td>Time-Weighted Averages are based on 8h/day, 40h/week exposures</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limits are based on 15-minute exposures</td>
</tr>
<tr>
<td>STEV</td>
<td>Short Term Exposure Value</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>CAN TDG</td>
<td>Canadian Transportation of Dangerous Goods</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>RQ</td>
<td>Reportable Quantity</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System</td>
</tr>
<tr>
<td>EPCRA</td>
<td>Emergency Planning and Community Right-to-Know Act</td>
</tr>
</tbody>
</table>