Section 1: Identification

Product Name: GC PRO Oxidizer Treatment

Product Type/Description: Oxidizing Agent

Recommended Use/Use Restrictions: odor control, water treatment, oxidizing agent. For Commercial Use

Other Means of Identification: Sodium Carbonate Peroxyhydrate, Sodium Percarbonate, SPC

Manufacturer: BioSafe Systems LLC
22 Meadow Street, East Hartford, CT 06108

Emergency Number: 800-424-9300 (CHEMTREC)

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 ENTER 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
P321: For specific treatments see FIRST AID section on SDS or label

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

<table>
<thead>
<tr>
<th>Components:</th>
<th>Identifiers:</th>
<th>% Concentration by Weight:</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 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, CO2, O2
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

Personal Protection Equipment

<table>
<thead>
<tr>
<th>Engineering Controls</th>
<th>Respiratory</th>
<th>For most conditions, no respiratory protection should be needed. For excessive dust condition: dust mask with filter type P2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/Face Protection</td>
<td>Face shield, in case of dust production; protective goggles</td>
<td></td>
</tr>
<tr>
<td>Hands</td>
<td>Protective gloves - chemical resistant</td>
<td></td>
</tr>
<tr>
<td>Skin/Body</td>
<td>Protective clothing – dust proof clothing</td>
<td></td>
</tr>
<tr>
<td>General Hygienic Practices</td>
<td>Wash with soap and water after use. Wash chemical from skin as soon as possible, especially before eating or smoking</td>
<td></td>
</tr>
</tbody>
</table>

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Appearance: White granular solid</th>
<th>Odor: None</th>
<th>pH: 3% solution approx. 10.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point: N/A</td>
<td>Freezing Point: N/A</td>
<td>Boiling Point: N/A</td>
</tr>
<tr>
<td>Flash Point: N/A (inorganic)</td>
<td>Flammability: Non combustible</td>
<td>Flammable Limits: N/A</td>
</tr>
<tr>
<td>Vapor Pressure: N/A</td>
<td>Bulk Density: 0.9 – 1.2 g/cm³</td>
<td>Solubility (ies): 140g/L at 20 C</td>
</tr>
<tr>
<td>Partition Coefficient n- octanol/water: N/A</td>
<td>Auto-ignition Temperature: N/A</td>
<td>Decomposition Temperature: &gt;55°C</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

Stability: Stable under normal conditions
Conditions to Avoid: Heat/heat sources and moisture
Hazardous Decomposition Products: Oxidation can increase fire risk. Decomposition releases CO2 and O2
### 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:**

<table>
<thead>
<tr>
<th>Symptoms and effects</th>
<th>Acute Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact</td>
<td>Risk of severe damage</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Slight irritation</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May cause respiratory track irritation</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful if swallowed</td>
</tr>
</tbody>
</table>

### 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 is 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

<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>3378</td>
<td>Sodium Carbonate Peroxyhydrate</td>
<td>5.1</td>
<td>Oxidizer</td>
<td>II</td>
</tr>
</tbody>
</table>

**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 Q: N/A**

**SARA Title III Sec. 311/312:**
- Hazard category: Fire hazard

**US. EPA EPCRA Section 313 listed:**
- not listed

**Threshold quantity (processed or manufactured): N/A**

**Threshold quantity (otherwise used): N/A**

**EHS Q: N/A**

**Canadian WHIMIS Classification**
- C, D2B

### Section 16: Other Information

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For additional information on GCPRO Oxidizer Treatment call us toll-free at 1.888.273.3088 or visit www.biosafesystems.com.

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Issuing Date: 4/15/15

Revision Number: 01