


Section 1: Identification	
Product Name: GreenClean® Granular	Product Type/Description: Algaecide/Fungicide
Recommended Use/ Use Restrictions: Algaecide/ Pesticide. 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: 70299-4
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: For Concentrate Acute Toxicity (Oral): Category 5 Eye Damage: Category 1	Hazard Statements: H303 – May be 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: P264: Wash thoroughly after handling. P280: Wear protective eye/face protection	Response: P301 +P312: IF SWALLOWED : Call a POISON CENTER or doctor/physician if you are unwell 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: 42.50%

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. Rinse skin immediately with plenty of water for 15-20 minutes If irritation persists, consult a physician.
Ingestion	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.
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:	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. Never return unused product to the original container
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	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 Data:	Oral Toxicity: LD50 rat, male/female > 2000 mg/kg	Dermal Toxicity: LD50: rabbit, male/female >2000 mg/kg
Inhalation Toxicity: LD 50: 1 hour, rat > 4580 mg/m3	Skin irritation: light irritant - rabbit	Eye irritation: Severe irritant- rabbit
Likely Routes of Exposure:		
Symptoms and effects:		
	Acute Effects	
Eye Contact	Risk of damage/ irritation	
Skin Contact	Slight irritation	
Inhalation	May cause respiratory tract irritation	
Ingestion	Harmful if swallowed	

Section 12: Ecological Information	
Ecotoxicity	Toxic to simple cell organisms. Danger to the environment is limited due to product properties
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	Not regulated	Not regulated	Not regulated	NA	NA	No
Special Precautions: None						

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: N/A	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 – oxidizing material	
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

To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability in connection with the information or its use. The information is for use by technically skilled persons at their own discretions and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed.



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

©2015 Copyright BioSafe Systems, LLC. ®GreenClean Granular is a registered trademark of BioSafe Systems, LLC. Always read and follow label directions.

Issuing Date: 5/15

Revision Number: 01