


# SAFETY DATA SHEET (SDS)

## GC PRO<sup>®</sup> Oxidizer Treatment WP

Form #:	SDS-089
Revision Date:	22/03/2019
Revision #:	01
Supersedes Date:	NA

Section 1: Identification			
<b>Product Name:</b>	GC PRO <sup>®</sup> Oxidizer Treatment WP	<b>Product Type / Description:</b>	Oxidizer / Water Treatment
<b>Recommended Use:</b>	Water Treatment, Odor Control	<b>Other Means of Identification:</b>	Sodium Carbonate Peroxyhydrate, Sodium Percarbonate, SPC
<b>Use Restrictions:</b>	It is a violation of federal law to use this product in a manner inconsistent with its labeling.	<b>Chemical Formula:</b>	2Na <sub>2</sub> CO <sub>3</sub> · 3H <sub>2</sub> O <sub>2</sub>
<b>Manufacturer:</b>	<b>BioSafe Systems, LLC</b> 22 Meadow Street   East Hartford, CT 06108	<b>PMRA Registration #:</b>	NA
<b>Telephone Number:</b>	1-888-273-3088	<b>Emergency Number: 1-800-424-9300 (CHEMTREC)</b>	

Section 2: Hazard Identification	
<b>GHS Classification</b>	<b>Hazard Statements</b>
Oxidizing Solid: Category 2 Acute Toxicity Oral: Category 4 Serious Eye Damage/Irritation: Category 1	H272: May intensify fire; oxidizer. H302: Harmful if swallowed. H318: Causes serious eye damage.
<b>Pictograms</b>	<b>Signal Word</b>
	<b>DANGER</b>
Precautionary Statements	
<b>General</b>	<b>Response</b>
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.	P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you are 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.
<b>Prevention</b>	<b>Storage / Disposal</b>
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.	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		
Components	CAS-No	% Composition (w/w)
Sodium Carbonate Peroxyhydrate	15630-89-4	85,0%

Section 4: First-Aid Measures	
<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Ingestion:</b>	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.
<b>Inhalation:</b>	Move person to fresh air. If person is not breathing, call 911. Call poison control center or doctor for treatment advice.
<b>Notes to Physician:</b>	Material is corrosive and probable mucosal damage may contraindicate the use of gastric lavage.

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### Section 5: Fire-Fighting Measures

<b>Suitable Extinguishing Media:</b>	Water or water spray.
<b>Unsuitable Extinguishing Media:</b>	Halons. Dry powder. Foam.
<b>Combustion Products:</b>	Carbon monoxide, carbon dioxide, oxygen.
<b>Unusual Fire and Explosion Hazards:</b>	Oxidizing substance, exothermic decomposition releases oxygen, may support combustion.
<b>Protective Equipment for Firefighters:</b>	Full chemical protection suits and boots (rubber or PVC) and self-contained breathing apparatus. Cordon the area to keep out all unnecessary personnel. Keep upwind. Use large quantities of water spray to fight fire. If safe to do, move product away from fire to secure area. Eliminate all possible sources of ignition and remove flammable material.

### Section 6: Accidental Release Measures

<b>Personal Precautions:</b>	Ensure adequate ventilation. Avoid inhalation, ingestion and contact with skin and eyes. Avoid creating dust.
<b>Emergency Procedures:</b>	Ensure clean-up is conducted by trained personnel. Personnel should wear appropriate protective equipment. Remove all sources of ignition. Keep away from incompatible products, sweep up to prevent slipping hazard.
<b>Environmental Precautions:</b>	Prevent full strength chemical from entering sewers and public waters.
<b>Methods and Material for Containment and Clean-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. Do not absorb water with combustible materials.

### 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

#### Components with Workplace Control Parameters

Component	ACGIH	NIOSH	OSHA
Sodium Carbonate Peroxyhydrate	Not applicable.	Not applicable.	Not applicable.
<b>Engineering Controls:</b>	Ensure adequate ventilation. Emergency eye wash stations / emergency showers should be available in the immediate vicinity of any potential exposure.		
<b>General Hygienic Practices:</b>	Do not eat, drink or smoke during use. Wash hands immediately after handling the product.		

#### Personal Protective Equipment

<b>Respiratory Protection:</b>	Dust mask. For excessive conditions, wear a NIOSH-approved respirator with particulate filters.
<b>Eye / Face Protection:</b>	Chemical resistant goggles or face shield.
<b>Hand Protection:</b>	Rubber/latex/neoprene or other suitable chemical resistant gloves.
<b>Skin / Body Protection:</b>	Wear suitable protective clothing. Apron and boots made of butyl rubber for high risk exposure.

### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Solid, granular.	<b>Colour:</b>	White.	<b>Odour:</b>	None.
<b>Melting Point / Freezing Point:</b>	NA	<b>Boiling Point:</b>	NA	<b>Flammability:</b>	NA
<b>Flammability Limits:</b>	NA	<b>Flash Point:</b>	NA	<b>Auto-Ignition Temperature:</b>	NA
<b>Decomposition Temperature:</b>	> 55°C (131°F)	<b>pH:</b>	10,5 in 3% solution.	<b>Kinematic Viscosity:</b>	NA
<b>Solubility:</b>	145 g/L at 20°C	<b>Partition Coefficient n-octanol / water:</b>	NA	<b>Vapor Pressure:</b>	NA
<b>Relative Density:</b>	NA	<b>Vapor Density:</b>	NA	<b>Particle Characteristics:</b>	NA

### Section 10: Stability and Reactivity

<b>Reactivity:</b>	Reactive and oxidizing agent.
<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Open flames/heat sources, moisture.
<b>Incompatible Materials:</b>	Moisture, strong acids/bases, metals, organic materials, reducing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition generates carbon dioxide and oxygen which supports combustion.

### Section 11: Toxicological Information

#### Acute Toxicological Data

<b>Oral LD50 Rat:</b>	1034 mg/kg	<b>Dermal LD50 Rabbit:</b>	>2000 mg/kg	<b>Inhalation LC50 Rat:</b>	1 hr – >4580 mg/m <sup>3</sup>
Symptoms and Effects					
Condition	Acute Effects			Chronic (Delayed) Effects	

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<b>Eye Contact:</b>	Causes serious eye damage.	None.
<b>Skin Contact:</b>	Causes severe skin burns.	None.
<b>Inhalation:</b>	May cause respiratory tract irritation.	None.
<b>Ingestion:</b>	Harmful if swallowed.	None.

Section 12: Ecological Information			
Ecotoxicity:	Duration	Species	Value
	96 hr LC50	<i>Pimephales promelas</i>	70,7 mg/L
	48 hr EC50	<i>Daphnia pulex</i>	4,9 mg/L
<b>Persistence and Degradability:</b>	Biodegrades rapidly in water to hydrogen peroxide and oxygen.		
<b>Bioaccumulative Potential:</b>	Does not bioaccumulate.		
<b>Mobility in Soil:</b>	Non-significant adsorption in soil.		
<b>Results of PBT &amp; vPvB:</b>	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).		
<b>Other Adverse Effects:</b>	None known.		

Section 13: Disposal Considerations	
<b>Waste from Residues and Unused Product:</b>	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
<b>Contaminated Container Disposal:</b>	Do not reuse or refill containers. Triple rinse empty containers with clean water. Clean and empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information						
UN Number	UN Proper Shipping Name		Hazard Class (Subsidiary)	Packing Group	IATA	Marine Pollutant
DOT 3378	Sodium Carbonate Peroxyhydrate		5.1	II	Permitted for transport by air.	No
TDG 3378	Sodium Carbonate Peroxyhydrate		5.1	II		
IMDG 3378	Sodium Carbonate Peroxyhydrate		5.1	II		
<b>Special Precautions:</b>		NA				

Section 15: Regulatory Information							
DSL Inventory List			Controlled Products Regulation (CPR)				
Sodium Carbonate Peroxyhydrate	Yes	This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.					
<b>NFPA 704 Rating</b>	<b>Health:</b>	<b>2</b>	<b>Flammability:</b>	<b>0</b>	<b>Reactivity:</b>	<b>1</b>	<b>Special:</b> OX (Oxidizer)
<b>HMIS Rating</b>	<b>Health:</b>	<b>2</b>	<b>Flammability:</b>	<b>0</b>	<b>Physical:</b>	<b>1</b>	<b>PPE:</b> Recommended. (B)
<b>PPE:</b>		 					
Environmental Emergencies							
Component	Canada - Environmental Emergencies - Part 1 Substances - Substances Likely to Explode - Minimum Threshold Quantities	Canada - Environmental Emergencies - Part 1 Substances - Substances Likely to Explode - Minimum Mixture Concentrations	Canada - Environmental Emergencies - Part 2 Substances - Substances Hazardous When Inhaled - Minimum Threshold Quantities	Canada - Environmental Emergencies - Part 2 Substances - Substances Hazardous When Inhaled - Minimum Mixture Concentrations			
Sodium Carbonate Peroxyhydrate	NA	NA	NA	NA			
Canadian National Pollutant Release Inventory							
Sodium Carbonate Peroxyhydrate	NA						

Section 16: Other Information	
<b>According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations</b>	
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