

Innovative technologies and services for environmental professionals.



Safety Data Sheet

PuroStar™ 2011

Wastewater Defoamer

Section 1 - Identification

Product Name: PuroStar™ 2011
Product Use: Wastewater Defoamer
Product Description: For use as a general purpose foam control agent.

Issued: September 29th 2017
Revised: September 29th 2017

Supplier Details:
Environmental Business Specialists, LLC
1930 Surgi Drive
Mandeville, LA USA 70448
E-mail: info@ebsbiowizard.com
Website: www.ebsbiowizard.com

Emergency Numbers:
Chemtrec: 800-424-9300
Phone: 985-674-0660
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Section 2 - Hazard(s) Identification

GHS Classification(s):

Not classified under GHS.

Signal Word: None

Hazard Statements: Not a hazardous substance or mixture.

Precautionary Statements:

P102 Keep out of reach of children.
P233 Keep container tightly closed.
P264 Wash thoroughly after handling.

Other hazard information:

Physical/Chemical Hazards: No additional hazards

Health Hazards: Contact with eyes may produce irritation and infection. May produce gastric distress upon ingestion.

Environmental Hazards: No additional hazards

Section 3 - Composition/Information on Ingredients

Component	CAS#	% by Wt.
This material is considered not hazardous as defined by OSHA 29 CFR 1910.1200.		

While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Section 4 - First Aid Measures

Inhalation: If inhaled, remove from area to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Skin Contact: In case of contact, remove contaminated clothing and shoes. Wash contact areas thoroughly with soap and water. Do not allow material to contact open wounds. If such contact occurs, wash with soap and water and apply a superficial disinfectant. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.

Eye Contact: In case of contact, do not rub eyes. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation develops and persists, seek medical attention.

Ingestion: If ingested, remove material from mouth and rinse with water. If victim is conscious and alert, give water or milk to dilute. Do not induce vomiting, unless directed by medical personnel. If gastric distress develops, seek medical attention.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Water mist, dry chemical, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: None known.

Specific Hazards in case of fire: None known. Container may rupture from gas generation in a fire situation.

Hazardous Combustion Products: Carbon monoxide. Carbon dioxide. Unidentifiable organic materials. Various hydrocarbons. Irritating and/or toxic gases. Formaldehyde. Silicon dioxide. Dimethylcyclosiloxanes. Various hydrocarbon fragments. Unburned hydrocarbons. Incompletely burned carbon compounds.

Special Protective Equipment and Precaution for Fire Fighters: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers. Move containers from fire area if possible without hazard.

Section 6 - Accidental Release Measures

Personal Precautions: : Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

Environmental Precautions: None known.

Methods and Materials for Containment and Cleaning Up: Contain spill, place into drums for proper disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Prevent entry into basements, low areas, or confined areas. CAUTION: Spilled material may be slippery. Do not touch or walk through spilled material.

Section 7 - Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C (302°F) through oxidation.

Conditions for Safe Storage, Including Incompatibilities: Store in a cool, well-ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.

Section 8 - Exposure Control/Personal Protection

Engineering Controls: General room ventilation and local exhaust are required. Maintain adequate ventilation. Avoid creating dust or mist. To keep exposure below established limits, local exhaust may be necessary.

Individual Protection Measures:

Eye/Face Protection: Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on the condition of use. Protective gloves: Chemical-resistant.

Respiratory Protection: None required under normal use. If vapors are present, wear a NIOSH-Approved respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Protective clothing.

General Hygiene Conditions: Handle in accordance with good industrial hygiene and safety practice. Wash with soap and water before meal times and at the end of each work shift.

Section 9 - Physical and Chemical Properties

Physical State: Emulsion.

Color: White.

Odor: Mild odor

Odor Threshold: Not determined..

pH: Not available.

Melting Point/Freezing Point: Not determined.

Boiling Point: Not determined.

Flash Point: Not determined.

Evaporation Rate: Not determined..

Flammable Limits: Not determined.

Burning Time: Not determined.

Burning Rate: Not determined.

Upper/Lower Flammability/Explosive Limits: Not determined.

Vapor Pressure: Not determined.

Vapor Density: Not determined.

Relative Density/Specific Gravity: 0.986 @ 20°C

Solubility in Water: Soluble

Partition Coefficient (n- octanol/water): Not determined.

Auto-Ignition Temperature: Not determined.

Decomposition Temperature: Not determined.

Viscosity: 250 cps.

Section 10 - Stability and Reactivity

Reactivity: No data available.

Chemical Stability: Product is stable under recommended conditions of use and storage.

Possibility of hazardous reactions: Hazardous polymerization will not occur under normal conditions. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C (302°F) through oxidation.

Conditions to avoid: Avoid heat, flame, and other possible sources of ignition. Generation of gas during decomposition can cause pressure in closed systems.

Materials to avoid: Strong oxidizing agents. Inorganic acids. Halogens. Strong acids. Strong bases.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Unidentifiable organic materials. Low molecular weight hydrocarbons. Aldehydes. Ketones. Organic acids. Polymer fragments. Alcohols. Ethers. Hydrocarbons. Silicone dioxide. Formaldehyde. Dimethylcyclosiloxanes. Oxidizing agents. Unburned hydrocarbons. Incompletely burned carbon compounds. Silicon dioxide.

Section 11 - Toxicological Information

Routes of Exposure: Ingestion, skin contact, inhalation, absorption and eye contact.

Acute Toxicity: No data available.

Subchronic/Chronic Toxicity: Prolonged and/or repeated exposure to aerosols may produce an allergic response. Prolonged and/or repeated exposure to skin and/or eyes may produce irritation.

Other: In animals, effects have been reported on the following organs: lungs. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300°F (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

Section 12 - Ecological Information

Persistence and degradability: No data available.

Bio-accumulative potential: No data available.

Mobility: No data available.

Aquatic Toxicity:

Test	Result	Species	Dose	Exposure
Toxicity	No data available			

Section 13 - Disposal Considerations

Hazardous Waste Number: Not available.

Disposal Method: Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport Information

US DOT: Not regulated.

TDG: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

Section 15 - Regulatory Information

TSCA: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Regulated Components:

Component	CAS #	CERCLA RQ	SARA 311	SARA 312	SARA 313
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No components found.

State of California, Proposition 65: No components of these products are listed under State of California Proposition 65 to cause cancer and birth defects or other reproductive harm.

Section 16 - Other Information

Hazard Rating System	Health	Flammability	Reactivity
	1	1	0

NFPA Rating System	Health	Flammability	Reactivity	Special Hazard
	1	1	0	None

Disclaimer

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