

Innovative technologies and services for environmental professionals.



Safety Data Sheet

PuroStar™ 1013

Wastewater Defoamer

Section 1 - Identification

Product Name: PuroStar™ 1013
Product Use: Wastewater Defoamer
Product Description: For use as a general purpose foam control agent.

Issued: October 2nd 2017
Revised: October 2nd 2017

Supplier Details:
Environmental Business Specialists, LLC
1930 Surgi Drive
Mandeville, LA USA 70448
E-mail: info@ebsbiowizard.com
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Emergency Numbers:
Chemtrec: 800-424-9300
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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.
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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, and carbon dioxide (CO₂).

Unsuitable Extinguishing Media: None known.

Specific Hazards in case of fire: None known.

Hazardous Combustion Products: Carbon dioxide. Carbon monoxide. Formaldehyde. Silicon dioxide. Dimethylcyclosiloxanes.

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.

Section 6 - Accidental Release Measures

Personal Precautions: 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. Ground all equipment and containers before opening to prevent accumulation of static charge.

Environmental Precautions: None known.

Methods and Materials for Containment and Cleaning Up: Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Shut off the source of leak if safe to do so. Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. CAUTION: Spilled material is slippery.

Section 7 - Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Wash thoroughly after handling. May generate formaldehyde at temperatures greater than 300°F (150°C).

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: Liquid.

Color: White. Opaque.

Odor: Mild odor.

Odor Threshold: Not determined..

pH: 7

Melting Point: Not determined.

Freezing Point: < 32°F

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: 1.009 @ 25°C

Solubility in Water: Soluble.

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

Auto-Ignition Temperature: Not determined.

Decomposition Temperature: Not determined.

Viscosity: Not determined.

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, sparks or open flames.

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

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Formaldehyde. Dimethylcyclosiloxanes. Silicon dioxide.

Section 11 - Toxicological Information

Routes of Exposure: Ingestion, skin contact, inhalation, 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: 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
No components found.					

State of California, Proposition 65 - May Contain the Following Trace Components:

This product may contain trace amounts of (a) chemical(s) known in the State of California to cause cancer or birth defects or other reproductive harm.

Section 16 - Other Information

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

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