



Safety Data Sheet

PuroStar™ 1012

Wastewater Defoamer

Section 1 - Identification

Product Name: PuroStar™ 1012
Product Use: Wastewater Defoamer
Product Description: For use as a general purpose foam control agent.

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Supplier Details:
Environmental Business Specialists, LLC
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Emergency Numbers:
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Section 2 - Hazard(s) Identification

GHS Classification(s):

Skin Sensitization Category 1
Reproductive Toxicity Category 2



Signal Word: Warning

Hazard Statements: May cause an allergic skin reaction. Suspected of damaging the unborn child.

Precautionary Statements:

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust, gas, mist, vapors or spray.

Response: IF INGESTED, give large quantities of water to dilute. Consult a physician promptly. IF ON SKIN OR CLOTHING, immediately flush skin with water. If irritation persists, seek medical attention. IF IN EYES, immediately flush eyes thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.

Storage: Store in a secure manner.

Disposal: Disposal is subject to federal, state, and local regulations.

Other hazard information:

Physical/Chemical Hazards: No additional hazards

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

Environmental Hazards: No additional hazards

Section 3 - Composition/Information on Ingredients

Component	CAS#	% by Wt.
Ethylene Glycol	107-21-1	< 1.0%

Section 4 - First Aid Measures

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation occurs.

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 swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO₂) and foam.

Unsuitable Extinguishing Media:

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

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: 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. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

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). The product on surfaces can cause slippery conditions.

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. For most conditions no respiratory protection should be needed; however, if the material is heated or sprayed, use: NIOSH-Approved air-purifying respirator with organic vapor cartridge and particulate pre-filter. 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: Opaque. White.

Odor: No data available.

Odor Threshold: Not determined..

pH: 7 - 7.5

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: 1.019 @ 25°C

Solubility in Water: Dispersible.

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: Generation of gas during decomposition can cause pressure in closed systems.

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

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Formaldehyde. Dimethylcyclosiloxanes. Aldehydes. Ketones. Organic acids. Polymer fragments. Alcohols. Ethers. Hydrocarbons.

Section 11 - Toxicological Information

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

Symptoms/Effects: Acute, Delayed and Chronic:

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild to moderate irritation. May cause skin sensitization.

Skin Absorption: No data available.

Inhalation: May cause mild irritation. Vapor from heated material or mist may irritate the: respiratory tract.

Ingestion: May cause mild to severe irritation. Small amounts swallowed incidentally to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

Numerical Measures of Toxicity:

Component	Oral LD50	Dermal LD50	Inhalation LC50
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No components found or no data available for product.

Cancer Information: This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

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. Harmful if swallowed. Contains Ethylene Glycol which may cause birth defects. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure. Exposure to large amounts of ethylene glycol can damage kidneys, heart, and nervous system.

A component of this product has been found to cause mild skin sensitization in a Local lymph Node Assay (LLNA).

Section 12 - Ecological Information

Ecotoxicological Information: No data available.

Chemical Fate Information: 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.

SARA Title III Section 311/312 Category Hazards:

Immediate (Acute)	Delayed (Chronic)	Fire Hazard	Pressure Release	Reactive
No	Yes	No	No	No

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 a detectable level of (a) chemical(s) subject to California Proposition 65.

Section 16 - Other Information

Hazard Rating System	Health	Flammability	Reactivity
	1*	0	0

* = Chronic Health Hazard

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

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