

Innovative technologies and services for environmental professionals.



Safety Data Sheet

PuroStar™ 3011

Wastewater Defoamer

Section 1 - Identification

Product Name: PuroStar™ 3011
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
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) and alcohol resistant foams.

Unsuitable Extinguishing Media: Direct stream water. Fog.

Specific Hazards in case of fire: Combustible at high temperatures. Rags and other materials containing this product may heat and spontaneously ignite if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Use water spray to cool fire-exposed containers

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition, which may be toxic and/or irritating. Combustion products may include and are not limited to: Irritating and/or toxic gases. Acrolein. Carbon oxides. Smoke. Fumes. Irritating gases. Irritating vapors.

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.

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. Keep containers tightly closed. Protect from moisture. Store above 40°F. Store above 60°F.

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: Transparent. Yellow.

Odor: Low odor.

Odor Threshold: Not determined..

pH: Not determined.

Melting Point: Not determined.

Freezing Point: Not determined.

Boiling Point: Not determined.

Flash Point: < 200°F

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: 0.96 @ 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. The reaction of polyols and isocyanates generates heat.

Conditions to avoid: Avoid elevated temperatures. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

Materials to avoid: Strong bases. Strong acids. Oxidizing agents. Acids. Isocyanates.

Hazardous Decomposition Products: Aldehydes. Ketones. Organic acids. Polymer fragments. Alcohols. Ethers. Hydrocarbons. Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials. Carbon monoxide. Nitrogen oxides. Dense smoke. Unidentified by-products. Acrolein. Carbon oxides. Smoke. Fumes.

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. May cause: slight, temporary irritation.

Skin Contact: May cause mild irritation. Contact with heated material may cause: thermal burns. Prolonged, repeated, or excessive contact may cause: mild irritation.

Skin Absorption: No data available.

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

Ingestion: May cause mild irritation. Overexposure may cause: gastrointestinal disturbances.

Numerical Measures of Toxicity:

Component	Oral LD50	Dermal LD50	Inhalation LC50
Polyethylene glycol, propoxylated	No Data	No Data	4H Rat: 320 mg/m ³

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

Other: Effects of repeated exposure: In animals, effects have been reported on the following organs following exposure to aerosols: lung.

Section 12 - Ecological Information

Ecotoxicological Information: The sample of Suppressor 2360 is not acutely toxic to *Daphnia magna* at recommended allowed dosage by the Minnesota Pollution Control Agency (MPCA), which is 100mL of product per 850 gallons of water. *Daphnia magna* LC50 was greater than the one hundred percent solution of 0.311 ppm.

The sample of Suppressor 2360 is not acutely toxic to fathead minnows at recommended allowed dosage by the Minnesota Pollution Control Agency (MPCA), which is 100mL of product per 850 gallons of water. *Pimephales promelas* LC50 was greater than the one hundred percent solution of 0.311 ppm.

The sample of Suppressor 2360 is not acutely toxic at the highest dose allowed by the Minnesota Pollution Control Agency (MPCA), allowing SF Analytical Bioassay Laboratories to present Suppressor 2360 Defoamer Product with a PASS grade to be used at 100mL per 850 gallons of water.

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. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Do NOT dump into any sewers, on the ground, or into any body of water.

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 - May Contain the Following Trace Components:

Propylene Oxide, Ethylene Oxide, Acetaldehyde, 1,4-Dioxane, Formaldehyde

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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