

Innovative technologies and services for environmental professionals.



# Safety Data Sheet

## PolyStar F52

### Wastewater Polymer

## Section 1 - Identification

**Product Name:** PolyStar F52  
**Product Use:** Wastewater Polymer  
**Product Description:** Flocculant

**Issued:** October 23rd 2017  
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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  
**Fax:** 985-674-3483

## 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:

**Prevention:** Wear protective gloves/protective clothing/eye protection/face protection.

**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:** Keep out of extreme temperatures. Avoid strong acids and alkali compounds. Avoid using containers, pipes, and fittings made of the following: Brass, Zinc, Copper, and Aluminum.

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

**Other hazard information:** None known.

## 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:** Not considered an inhalation hazard.

**Skin Contact:** In case of contact, remove contaminated clothing and shoes. Wash contact areas thoroughly with soap and water. Do not allow the 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 the mouth and rinse with water. If the 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 (CO<sub>2</sub>), or alcohol foam.

**Unsuitable Extinguishing Media:** None known.

**Specific Hazards in Case of Fire:** Not flammable or combustible.

**Hazardous Combustion Products:** Carbon oxides.

**Special Protective Equipment and Precaution for Fire Fighters:** Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

## Section 6 - Accidental Release Measures

**Personal Precautions:** Wear approved respirator for nuisance dust during cleanup. Wear appropriate personal protection equipment (see section 8).

**Environmental Precautions:** No special precautions.

**Methods and Materials for Containment and Cleaning Up:** Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations. Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## Section 7 - Handling and Storage

**Precautions for safe handling:** Wear appropriate personal protection equipment (see section 8). Do not ingest. Avoid breathing mist.

**Conditions for safe storage, including incompatibilities:** Keep in closed or covered container when not in use. Store in a cool, dry place with adequate ventilation.

## Section 8 - Exposure Control/Personal Protection

**Respiratory protection:** Respiratory protection where exposure may exceed exposure limits.

**Hand Protection:** Wear impermeable gloves.

**Eye protection:** Safety glasses or goggles are recommended.

**Skin protection:** Wear chemical resistant clothing.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid.

**Color:** Milky White

**Odor:** None.

**Odor Threshold:** Not determined..

**pH:** 3.0 - 4.1

**Melting Point/Freezing Point:** -10°C

**Boiling Point:** > 212°F

**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:** 18 mm Hg @20°C (68°F)

**Vapor Density:** Not determined.

**Density or Specific Gravity:** 1.16 (20°C)

**Solubility in Water:** Dispersible.

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

**Auto-Ignition Temperature:** Not determined.

**Decomposition Temperature:** Not determined.

**Viscosity:** 50 - 600 mPa.s (25°C)

## Section 10 - Stability and Reactivity

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

**Possibility of hazardous reactions:** Incompatible with alkaline materials.

**Conditions to avoid:** Excessive heat and/or cold.

**Materials to avoid:** Contact with strong oxidizers, strong alkalis. Brass, Mild steel, Carbon Steel C1018.

**Hazardous Decomposition Products:** Oxides of Carbon, Oxides of Sulfur, Oxides of Nitrogen, Ammonia, HCl

## Section 11 - Toxicological Information

**Routes of Exposure:** Inhalation, skin contact, 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.

**Ingestion:** May cause moderate irritation.

**Numerical Measures of Toxicity:**

Component	Oral LD50	Dermal LD50	Inhalation LC50
No Data			

## Section 12 - Ecological Information

**Persistence and degradability:** No data available.

**Bio-accumulative potential:** This substance is positively charged and is expected to remain primarily bound to soil. This substance is not expected to bioconcentrate due to its high molecular weight

**Mobility:** No data available.

**Aquatic Toxicity:**

Species	Exposure	LC50
Rainbow Trout	96 hrs	0.65 mg/l
Daphnia magna	48 hrs	> 32 mg/l

## 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
	0	1	0

  

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

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