

1. Identification

Common Name/
Trade Name: **Fritz Algae Clean Out**
Material Uses: Algaecide

Revision Date: July 11, 2017

Product Number: N/A

Supplier: FRITZ INDUSTRIES, INC.
500 N. SAM HOUSTON ROAD
MESQUITE, TX 75149

In Case of Emergency:

Week Days: CHEMTREC
(Monday – Friday 8-5): (7 days a week, 24 hours a day)
(972) 285-5471 (800) 424-9300
(800) 955-1323

2. Hazard(s) Identification

Classification: Not classified under GHS.

Labeling: Symbol: Symbol not required
Signal word: Signal word not required
Hazard Statement: Not a hazardous substance or mixture.
Precautionary Statements: P102 Keep out of reach of children.
P233 Keep container tightly closed.
P264 Wash hands thoroughly after handling.
P281 Use personal protective equipment as required.

Other hazard information:

Physical/Chemical Hazards: No additional hazards.
Health Hazards: May be irritating to the skin and eyes.
Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients

<u>Chemical Identity</u>	<u>Numbers of Identity</u>	<u>% by Weight</u>
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	CAS# 31512-74-0	<10

4. First Aid Measures

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

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.

Eye Contact: Do not rub eyes. Immediately flush eyes with water for at least 15 minutes, while keeping eyelids open. If irritation develops and persists, seek medical attention.

Ingestion: If swallowed, do not induce vomiting. Give plenty of water to dilute. Seek medical attention if symptoms persist.

5. Fire and Explosion Data

General information: Product is not flammable or combustible.

Suitable Extinguishing Media: Use suitable media to extinguish surrounding fire.

Unsuitable Extinguishing Media: None known.

Specific Hazards in case of fire: None known.

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

6. Accidental Release Measures

Personal precautions:	Avoid contact with material. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard.
Environmental precautions:	Prevent from entering sewer and waterways.
Methods and materials for containment and cleaning up:	Ventilate area. Isolate and contain spill. Use absorbent material to pick up material and place in a suitable container for disposal.

7. Handling and Storage

Precautions for safe handling:	Use proper personal protective equipment, see section 8. Avoid contact with material. Wash exposed areas thoroughly after handling.
Conditions for safe storage, including incompatibilities:	Keep container tightly closed. Store in a cool, dry, well-ventilated area. Store away from incompatibles (see section 10). Avoid extreme heat and cold.

8. Exposure Controls/Personal Protection**Exposure Limits:**

Component Name	Reference	Limit Values
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride] CAS# 31512-74-0	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established

Ventilation:	Use with adequate ventilation.
Respiratory protection:	Not necessary, but if ventilation is inadequate, use an approved respirator.
Eye protection:	Safety glasses with side-shields or goggles are recommended.
Skin protection:	Chemical resistant gloves are recommended. Wash contact areas with soap and water after use.

9. Physical and Chemical Properties

Flashpoint:	Not determined	Lower Flammability Limit:	Not determined
Auto ignition Temperature:	Not determined	Upper Flammability Limit:	Not determined
Boiling Point:	>212°F	Specific Gravity:	Not determined
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not determined	Evaporation Rate (Water=1):	Not determined
Vapor Density (air=1):	Not determined	Viscosity:	Not determined
%Solubility in Water:	Soluble	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH:	7.0 – 9.2
Odor/Appearance:	Mild odor/Pale yellow liquid		

10. Stability and Reactivity Data

Chemical Stability:	Product is stable under recommended conditions of use and storage.
Possibility of hazardous reactions:	None known.
Conditions to avoid:	Extreme heat and cold.
Materials to avoid:	Anionic polymers, acids, and oxidizers.
Hazardous Decomposition Products:	None known.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact, and ingestion.
Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Contact may cause mild irritation to skin. Based on available data, classification criteria are not met.
Serious Eye Damage/irritation:	Contact may cause mild irritation to eyes. Based on available data, classification criteria are not met.
Respiratory/Skin Sensitization:	No data available.
Germ cell Mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
STOT, SE:	No data available.
STOT, RE:	No data available.
Other Chronic Effects:	No known effects from chronic exposure.

12. Ecological Information

Persistence and degradability:	No data available.
Bio-accumulative potential:	No data available.
Mobility:	No data available.
Aquatic Toxicity:	No data available.

13. Disposal Considerations

Waste Disposal: Whatever cannot be saved for reclamation may be disposed by following local, state, and federal regulations.

14. Transport Information

US DOT: Not regulated.
IATA: Not regulated.
IMDG: Not regulated.

15. Other Regulatory Information**US Regulations:**

Inventory Status: Components are listed with TSCA inventory or are exempt.
SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.
SARA (311/312) Hazard Categories: Acute Health Hazard
SARA 313: This material does not contain any SARA 313 chemicals.
EPA CERCLA/Superfund Reportable Spill Quantity: This material does not contain any CERCLA regulated chemicals.
EPA Registration Number: 14802-8

16. Other Information

Abbreviations and acronyms: ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
EHS: Extremely Hazardous Substances
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HMIS: Hazardous Materials Identification System
mg/m3: Milligrams per Cubic Meter
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term exposure limit
STOT, RE: Specific Target Organ Toxicity, Repeated Exposure
STOT, SE: Specific Target Organ Toxicity, Single Exposure
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information: HMIS (U.S.A.): Health 1, Flammability 0, Reactivity 0, Protective Equipment b
NFPA (U.S.A.): Health 1, Flammability 0, Reactivity 0

Revision Notes: Section 9: changed pH value from 5.0 – 7.0 to 7.0 – 9.2. (5/23/2016)
Updated CAS number in section 3. (7/11/2017)

Supersedes: May 23, 2016

Prepared by: Michael Carlo **Preparation date:** July 11, 2017

Disclaimer

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End of SDS