

## 1. Identification

Common Name/ Trade Name: **FritzZyme Fishless Fuel**  
 Material Uses: Aquarium water quality

Revision Date: February 8, 2019

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) 329-8800 (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: No additional hazards.  
 Environmental Hazards: No additional hazards.

## 3. Composition and Information on Ingredients

<u>Chemical Identity</u>	<u>Numbers of Identity</u>	<u>% by Weight</u>
Ammonium Chloride	CAS# 12125-02-9	<5.0

**4. First Aid Measures**

<b>Inhalation:</b>	If 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.
<b>Skin Contact:</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
<b>Eye Contact:</b>	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.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Give plenty of water to dilute. If nausea or gastric irritation develops, seek medical attention.

**5. Fire and Explosion Data**

<b>General Information:</b>	Product is not flammable or combustible.
<b>Suitable Extinguishing Media:</b>	Use suitable media to extinguish surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Specific Hazards in Case of Fire:</b>	None known.
<b>Special Protective Equipment and Precaution for Fire Fighters:</b>	Full protective clothing and approved self-contained breathing apparatus required for fire personnel.

**6. Accidental Release Measures**

<b>Personal Precautions:</b>	Avoid contact with material. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard.
<b>Environmental Precautions:</b>	Prevent from entering sewer and waterways.
<b>Methods and Materials for Containment and Cleaning Up:</b>	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**

<b>Precautions for Safe Handling:</b>	Use proper personal protective equipment, see section 8. Avoid contact with material. Wash exposed areas thoroughly after handling.
<b>Conditions for Safe Storage, including Incompatibilities:</b>	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
Ammonium Chloride CAS# 12125-02-9	ACGIH (TWA)	10 mg/m <sup>3</sup>
	NIOSH (REL)	10 mg/m <sup>3</sup>
	OSHA (PEL)	10 mg/m <sup>3</sup>

<b>Ventilation:</b>	Use with adequate ventilation.
<b>Respiratory Protection:</b>	Not necessary, but if ventilation is inadequate, use a MSHA/NIOSH approved respirator that meets with OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements.
<b>Eye Protection:</b>	Safety glasses with side-shields or chemical splash goggles recommended.
<b>Skin Protection:</b>	Gloves (rubber or equivalent) 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:	Not determined	Specific Gravity:	Not determined
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm <sub>Hg</sub> :	Not determined	Evaporation Rate (Water=1):	Not determined
Vapor Density (air=1):	Not determined	Viscosity:	Not determined
%Solubility in Water:	<b>Soluble</b>	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH:	Not determined
Odor/Appearance:	<b>Mild odor/Colorless liquid</b>		

**10. Stability and Reactivity Data**

<b>Chemical Stability:</b>	Product is stable under recommended conditions of use and storage.
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Conditions to Avoid:</b>	Extreme heat and cold.
<b>Materials to Avoid:</b>	Strong oxidizers, acids, and alkalis.
<b>Hazardous Decomposition Products:</b>	None known.

**11. Toxicological Information**

<b>Routes of Exposure:</b>	Skin contact, eye contact, and ingestion.
<b>Acute Toxicity:</b>	No data available.
<b>Skin Corrosion/Irritation:</b>	No data available.
<b>Serious Eye Damage/irritation:</b>	No data available.
<b>Respiratory/Skin Sensitization:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	No data available.
<b>Reproductive Toxicity:</b>	No data available.
<b>STOT, SE:</b>	No data available.
<b>STOT, RE:</b>	No data available.
<b>Other Chronic Effects:</b>	No known effects from chronic exposure.

**12. Ecological Information**

<b>Persistence and Degradability:</b>	No data available.
<b>Bio-accumulative Potential:</b>	No data available.
<b>Mobility:</b>	No data available.
<b>Aquatic Toxicity:</b>	

Species	Results	Comments
	No data available	

**13. Disposal Considerations**

<b>Waste Disposal:</b>	Whatever cannot be saved for reclamation should be disposed by following local, state, and federal regulations.
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**14. Transport Information**

<b>US DOT:</b>	Not regulated.
<b>IATA:</b>	Not regulated.
<b>IMDG:</b>	Not regulated.

**15. Other Regulatory Information**

<b>Inventory Status:</b>	Not listed with TSCA.
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**US Regulations:**

SARA 302 EHS Chemicals:	This material does not contain any SARA extremely hazardous substances.
SARA (311/312) Hazard Categories:	No hazards listed.
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.
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## 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  
IATA: International Air Transport Association  
IMDG: International Maritime Dangerous Goods  
mg/m<sup>3</sup>: 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 0, Flammability 0, Reactivity 0, Protective Equipment b  
NFPA (U.S.A.): Health 0, Flammability 0, Reactivity 0

**Prepared By: Michael Carlo**

**Preparation Date: February 8, 2019**

### Disclaimer

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End of SDS