

1. Identification

Common Name/
Trade Name: **FritzZyme 460 Liquid**
Material Uses: Biological Aquarium Cleaner

Revision Date: May 15, 2015

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 thoroughly after handling.

Other hazard information:

Physical/Chemical Hazards: No additional hazards.

Health Hazards: Contact to eyes may produce irritation and infection.
May produce gastric distress upon ingestion.

Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients**Chemical Identity**

Heterotrophic Bacteria

Numbers of Identity

Not available

% by Weight

100

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.

5. Fire and Explosion Data

General Information: This material is not considered flammable or combustible.

Suitable Extinguishing Media: Water mist, dry chemical, carbon dioxide (CO₂), or alcohol foam.

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 firefighting personnel.

6. Accidental Release Measures

Personal precautions:	Minimize contact with material. Wear appropriate personal protection equipment (see section 8). Spilled material may cause a slipping hazard.
Environmental precautions:	None known
Methods and materials for containment and cleaning up:	Ventilate area. Isolate and contain spill. For small spills, dilute material with water. Flush diluted material to sewer.

7. Handling and Storage

Precautions for safe handling:	Minimize contact with material. Wash thoroughly after handling. Wear appropriate personal protection equipment (see section 8).
Conditions for safe storage, including incompatibilities:	Keep container tightly closed. Store in a cool place. Keep away from acids and bases (see section 10 for full list).

8. Exposure Controls/Personal Protection**Information on the system design:**

Exposure Limits:	Component Name	Reference	Limit Values
	FritzZyme 460 Liquid	ACGIH (TWA)	Not established
		NIOSH (REL)	Not established
		OSHA (PEL)	Not established

Ventilation:	Use general mechanical ventilation to keep airborne levels minimal.
Respiratory protection:	If ventilation is inadequate or user generates mist, use a MSHA/NIOSH certified respirator approved for mist.
Eye protection:	Safety glasses with side-shields or chemical splash goggles.
Skin protection:	Gloves (rubber or equivalent).

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:	>1.0
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 – 9.0
Odor/Appearance:	Musty odor/Brown, turbid 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:	Excessive heat and/or cold.
Materials to avoid:	Acids, bases, bactericides, oxidizers, and chlorine.
Hazardous Decomposition Products:	None known.

11. Toxicological Information

Routes of Exposure:	Ingestion, skin contact, and eye contact.
Acute Toxicity:	Data not available.
Subchronic/Chronic Toxicity:	Prolonged and/or repeated exposure to skin and/or eyes may produce irritation. Ingestion may produce gastric distress.

12. Ecological Information

Persistence and degradability:	Data not available.
Bio-accumulative potential:	Data not available.
Mobility:	Data not available.

Aquatic Toxicity:

Test	Results	Comments
Toxicity	Data not available.	

13. Disposal Considerations

Waste Disposal:	Dispose in accordance with local, state, and federal regulations.
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14. Transport Information

US DOT Classification:

Not regulated

15. Other Regulatory Information

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.

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
MSHA: Mine Safety and Health Administration
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
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

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End of SDS