

Fritz Industries, Inc.
500 Sam Houston Road
Mesquite, TX 75149-2789

Information: (972) 285-5471
Emergency: (972) 285-5425
Fax: (972) 289-8756

Fritz Aquatics
FritzZyme® 7

SECTION 1: Product Information

Date Revised	01/06/1998
Brand Name	Fritz
Product Name	FritzZyme® 7
Chemical Name	Mixture containing nitrifying bacteria
CAS Number	None - Mixture
NFPA (704) Rating	Health: 1 Flammability: 0 Reactivity: 0 Special: 0

This product contains species of bacteria listed on the Environment Canada DSL list as:

16968-3 Nitrosomonas species / Espèce Nitrosomonas
16969-4 Nitrobacter species / Espèce Nitrobacter

SECTION 2: Hazardous Components Information

(None) Non-Pathogenic Non-Toxic Nitrifying Bacteria

SECTION 3: Physical/Chemical Characteristics

Specific Gravity (Water = 1)	1.008
Solubility in Water	Dispersable
Boiling Point	212 F
Freeze Point	31 F
Evaporation Rate	Slower than butyl acetate
Appearance & Odor	Rose to brownish red liquid; stagnant-water odor
pH	6.5 = 8.0
Vapor Density	N/A
Biodegradability	100%

SECTION 4: Fire & Explosion Hazard Data

Flash Point (Method Used)	Not Flammable
Flammable Limits	Negligible Fire Hazard
Extinguishing Media	All standard firefighting media

Special Firefighting Procedures	None known
--	------------

Unusual Fire & Explosion Hazards	None known
---	------------

SECTION 5: Reactivity Data

Stability	Stable
Conditions to Avoid	Heat (above 110 F); Cold (below 32 F)
Incompatibility (Materials to Avoid)	Bactericides, oxidizers, chlorine
Hazardous Decomposition or Byproducts	None known
Hazardous Polymerization	Will not occur

SECTION 6: Health Hazard Data

Route(s) of Entry	Inhalation: No	Skin: Yes	Ingestion: Yes	Eyes: Yes
Health Hazards (Acute & Chronic)	None known			
Carcinogenicity	NTP: N/A	IARC Monographs: N/A	OSHA Regulated: N/A	
Signs & Symptoms of Exposure	Ingestion: May cause diarrhea		Skin: May cause irritation	Eyes: Will cause irritation upon contact
Medical Conditions Aggravated by Exposure	None known			
Emergency & First Aid Procedures	Wash skin with soap and water. Remove contaminated clothing and wash. Flush eyes with water for 15 minutes. If swallowed, drink water to dilute contents. Do not induce vomiting. Do not give fluids if victim is unconscious or having convulsions.			

SECTION 7: Precautions For Safe Handling & Use

Steps to be taken in case material is released or spilled:

Flush area with water. Presents no health hazards.

Waste disposal method:

Small quantities may be diluted with large quantities of water and flushed to sanitary sewers. Large quantities soak in absorbent material. Dispose in local land fill per local, state, and federal regulations. Presents no health hazard.

Precautions to be taken in handling & storage:

Protect from heat (110 F) and cold (32 F).

Other precautions:

Do not store in direct sunlight.

SECTION 8: Control Measures

Respiratory Precautions (Specify Type)	None known	
Ventilation	Local exhaust: Not required	Mechanical: Not required
Protective Gloves	Not required	
Eye Protection	Not required but safety glasses recommended to avoid contact from splashing.	
Other Protective Clothing or Equipment	None known.	
Work/Hygenic Practices	Wash hands with soap and water after use.	

Environmental Evaluation

EPA Superfund (SARA Title III) - Hazard classification & associated information: Not hazardous.

EPA CERCLA/Superfund, 40 CFR 302 (Reportable Spill Quantity): Not listed.

EPA SARA Title III, CFR 355 (Extremely Hazardous Substances): Not listed.

EPA SARA Title III, 40 CFR 372 (List of Toxic Chemicals): Not listed.

Chemicals listen on following Chemical Inventories:

TOSCO: Not listed.

EPA - RCRA (Hazardous Waste), 40 CFR 261: Not listed.

California Proposition 65: N/A

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.