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Fritz Aquatics
FritzZyme® Turbo Start 900

SECTION 1: Product Information

Date Revised	04/30/1998
Brand Name	Fritz Aquatics
Product Name	FritzZyme® Turbo Start 900 Marine Nitrifying Bacteria
Chemical Name	Mixture containing nitrobacterace 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:

16971-6 Nitrosococcus species/Espèce Nitrosococcus
16972-7 Nitrococcus species/Espèce Nitrococcus

SECTION 2: Hazardous Components Information

(None) Non-Pathogenic Non-Toxic Nitrifying Bacteria

SECTION 3: Physical/Chemical Characteristics

Specific Gravity (Water = 1)	1.012
Solubility in Water	Dispersable
Boiling Point	212 F
Freeze Point	32 F
Evaporation Rate	Slower than butyl acetate
Appearance & Odor	Rose to brownish red liquid; stagnant-water odor
pH	7.0 = 8.9
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 listed on following Chemical Inventories:

TOSCO: Not listed.
EPA - RCRA (Hazardous Waste), 40 CFR 261: Not listed.
California Proposition 65: N/A