



SAFETY DATA SHEET
OECD Format

HAZARD RATING
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

Fire - 0
Toxicity - 0
Reactivity - 0
Special - 0
Health - 0
Safety - 0

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11-1-21

Product: NanoZyme 420

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Product Name: NanoZyme 420
Supplier: NanoZyme Technologies
58 Cosey Beach Avenue East Haven, CT. 06512
Emergency Telephone Number: 860-305-9881

2. COMPOSITION/INFORMATION ON INGREDIENTS

A blend of proprietary food grade enzyme consortium, water, potassium sorbate (shelf-life extender).

Contains no hazardous components under current OSHA definitions.

3. HAZARDS IDENTIFICATION

Most Important Hazards: None
Specific Hazards: Slight eye irritant.

4. FIRST AID MEASURES

General Advice: Product exhibits no adverse effects.
Inhalation: Non-reactive - No First Aid needed.
Skin Contact: Non-irritating - No First Aid needed.
Eye Contact: Rinse thoroughly with plenty of water.
Ingestion: Non-toxic - No First Aid needed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: The product itself does not burn.
Specific Hazards: None
Specific Methods: None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None needed.
Environmental Precautions: None required. Product can be flushed into the wastewater systems.



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7. HANDLING AND STORAGE

Technical Measures/Precautions:	Normal ventilation is adequate.
Safe Handling Advice:	Can be slight irritant.
Technical Measures/Storage Conditions:	Avoid freezing. Store in cool location.
Incompatible Products:	Alkali (high pH) materials. Oxidizers.
Packaging Material:	No restrictions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:	General room ventilation is satisfactory.
Control Parameters:	Flush with excess water.
Personal Protection Equipment	
Respiratory:	None needed.
Eye:	Safety glasses may be used.
Hand:	Gloves may be used.
Hygiene Measures:	None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Clear-pink aqueous liquid	Color: Light pink to clear.
Odor: None.	pH: 6.0
Boiling Point/Range: 100°C	Melting Point/Range: Not Applicable
Freezing Point: 30°F / -10°C	Viscosity- same as water
Decomposition Temperature: 200°F	Flash Point: None
Explosive Properties: None	% Volatile by Volume: Nil
Water Solubility: 98.9 %	Specific Gravity: 1.1 @ 60°F
Volatile Organic Compounds: None measurable	

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Hight Temperature. 200 F or greater.
Materials to Avoid:	High pH materials Acid-base reactions with high pH materials. Oxidizers.
Hazardous Decomposition Products:	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	None.
Local Effects:	Slight eye irritation.
Specific Effects:	None.



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12. ECOLOGICAL INFORMATION

Non-toxic, non-hazardous, safe for the environment. This product is readily biodegradable according to OECD Method, Modified Sturm Test. Complies with: HAZARDOUS WASTE BIOASSAY SCREENING REPORT ACCORDING TO US DEPT. OF FISH AND GAME.

AQUATIC TOXICITY: None. Fathead Minnow Bioassay available on request.
BIOCHEMICAL OXYGEN DEMAND: Reduces BOD.

13. DISPOSAL CONSIDERATIONS

Contaminated Packaging: If recycling is not practicable, dispose of in compliance with the Environmental Protection (Duty of Care) Regulations 1991 if contaminated with hazardous materials.

WASTE DISPOSAL: Can be flushed in standard wastewater systems.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SHIPPING CLASSIFICATION: CLASS 60, Item #73185.

15. REGULATORY INFORMATION

Product complies with all known regulatory considerations and is unregulated and not listed as a Hazmat by any agency.

16. OTHER INFORMATION

For further information, contact NanoZyme Technologies: 860-305-9881

Recommended Use: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.