



**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 CLEAN (BIO AQUA)**

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

Product Name: NanoZyme CLEAN (BIO AQUA)  
Supplier: NanoZyme Technologies  
58 Cosey Beach Avenue East Haven, CT. 06512  
Emergency Telephone Number: 831-685-1148

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name of the Substance: Aqueous mixture of non-bacterial enzymes produced using food grade materials. Class 60, Item #73185 (Food Stuffs). Does not contain living organisms.

Contains no hazardous components under current OSHA definitions. Contents include: Citric Acid (CAS#77-92-9), Ascorbic Acid (CAS#50-81-7), Niacin (CAS 59-67-6), Thiamine HCl (CAS 67-03-8), Glycerol (CAS 56-81-5), Quaternary polyphenolic compounds (derived from grape seed extracts) with the balance being deionized water. Additional proprietary information may only be made available under the terms of a Non-Disclosure and Secrecy Agreement.

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**3. HAZARDS IDENTIFICATION**

Most Important Hazards: None  
Specific Hazards: May be slight eye irritant. Do not spray into eyes. If irritation does occur, rinse with clean water.

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**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.



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### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: The product itself does not burn.  
Specific Hazards: None  
Specific Methods: Product itself can be used to reduce H<sub>2</sub>S.

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### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use protective eye gear when product is in neat form.  
Environmental Precautions: Due to low pH in neat form flush with excess water  
Clean area by flushing area with water into sewer.

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### 7. HANDLING AND STORAGE

Technical Measures/Precautions: Normal ventilation is adequate.  
Safe Handling Advice: Avoid contact with eyes.  
Technical Measures/Storage: Avoid freezing. Store in cool location away from direct  
Conditions: Sunlight.  
Incompatible Products: Alkali (high pH) materials.  
Packaging Material: No restrictions.

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### 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: Avoid contact with eyes.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Clear-pink aqueous liquid	Color: Light pink
Odor: Slight wine-like/sweet odor	pH: 7.0 – 7.2
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	



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### 10. STABILITY AND REACTIVITY

Conditions to Avoid:	Direct sunlight
Materials to Avoid:	High pH materials Acid-base reactions with high pH materials.
Hazardous Decomposition Products:	None

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### 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Ingestion may result in slight GI discomfort.
Local Effects:	Ocular irritation may occur if splashed in eyes.
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.

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### 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. May be disposed of in neat form.

WASTE DISPOSAL: FLUSH WITH WATER

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### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SHIPPING CLASSIFICATION: CLASS 60, Item #73185.

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### 15. REGULATORY INFORMATION

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

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### 16. OTHER INFORMATION

For further information, contact NanoZyme Technologies: 831-685-1148

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.