

Sheet No. 180

Revision Date: 13 May 2009



**MATERIAL SAFETY DATA SHEET**

**HMIS:**  
Health- 1 Flammability- 0 Reactivity- 0 Pers. Protection- N

**NFPA:**  
Health- 1 Flammability- 0 Reactivity- 0 Special Hazard- N

WHMIS: Not regulated

**Section 1: Product and Company Identification**

**Product: ENZYME Liquid Certi-Zyme**

**Synonyms:**

**NILODOR, INC.**

10966 INDUSTRIAL PARKWAY NW  
BOLIVAR, OHIO 44612, USA

Non-Emergency:  
US 800-443-4321

24 hr Emergency Spill Information:  
Chem-Tel, Inc.

International 010-330-874-1017

US, Canada: 800-255-3924. International: 1-813-248-0584

**Section 2. Hazards Identification**

**EMERGENCY OVERVIEW**

Appearance/Odor: Hazy white to colorless liquid  
NOT Classified as hazardous by the criteria of NOHSC.

**WARNING**

Flammability : Not classified as flammable  
Health Hazards Listed : Not applicable  
Ecological Hazards Listed : None known  
Potential Health Effects: See section 11 for more information.  
Likely Routes of Exposure: Not applicable

Eye: Direct exposure can irritate  
Skin: Prolonged exposure can irritate  
Ingestion: Not expected to be a problem  
Inhalation: Not applicable

Medical Conditions Aggravated By Exposure:

Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

None known

**Section 3. Composition/Information on Ingredients**

Component	CAS#	% by Weight	WHMIS Controlled
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Bacteria Culture	none	0.1 - 1.0	N
Water	7732-18-5	80 - 100	N
Only known ingredients			

**Section 4. First Aid Measures**

Eye Contact: Flush eyes with copious amounts of clean water. Hold lids apart. If irritation persists, consult a physician.

Skin Contact: Wash with soap and water.

Inhalation: Remove to fresh air.

Ingestion: Give water or milk to drink if conscious.

Note to Physicians:

**Section 5. Fire Fighting Measures**

Suitable Extinguishing Media: Water

Unsuitable Extinguishing Media: None known

Products of Combustion: Oxides of carbon and nitrogen

Protection of Firefighters: As for surrounding fire

**Section 6. Accidental Release Measures**

Personal Precautions: Keep out of eyes. Avoid skin contact

Environmental Precautions: Keep out of surface waters.

Methods for Containment: Dike with sand, clay or other suitable material.

Methods for Clean-Up: Absorb on sand, clay or other suitable material or mop up with water.

Other Information:

**Section 7. Handling and Storage**

**HANDLING**  
Normal care.

**STORAGE**  
Keep out of the reach of children. Keep in original container at ambient temperature (5 - 50° C, 40 - 122°F)

**Section 8. Exposure Controls/Personal Protection**

**EXPOSURE GUIDELINES**

<b>COMPONENT:</b>	<b>TWA:</b>	<b>LD-50</b>
Bacteria Culture	None established	Not applicable
Water	Not applicable	Not applicable

Only known ingredients

Engineering Controls: Not normally necessary

Eye/Face Protection: Protective goggles if handling large quantities

Skin Protection: Rubber or other protective gloves if handling large quantities

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Reasonable care. Keep out of food and beverages.

**Section 9. Physical and Chemical Properties**

Color: Hazy, colorless to light brown                      Odor: Mild earthy

Physical State: Liquid	Odor Treshhold:
pH: 6.0-8.0	Freezing Point: Not determined
Evaporation Rate: As water	Boiling Point: 100°C/212°F
Flash Point: >96°C/>205°F PMCC	Flammability(solid,gas): Not applicable
Upper Flammability Limit: Not determined	Lower Flammabilty Limit: Not determined
Vapor Pressure: As water	Specific Gravity: 1
Vapor Density: Not determined	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight:	Solubility (water): Soluble
None	Percent Volatile: More than 95% including water

### Section 10. Stability and Reactivity

Stability: Stable  
 Conditions to Avoid: Not applicable  
 Incompatable Materials: None known  
 Hazardous Decomposition Products: None known  
 Possibility of Hazardous Reactions: Extremely unlikely

### Section 11. Toxicology Information

#### ACCUTE EFFECTS

Oral LD50:	Not evaluated as a mixture. Weighted average more than 10 grams per kilogram.
Dermal LD50:	Weighted average more than 20 grams per kilogram.
Inhalation:	Not determined. No toxic components.
Eye Irritation:	Direct contact can irritate eyes.
Skin Irritation:	Prolonged or repeated contact can irritate skin.
Sensitization:	None known.

#### CHRONIC EFFECTS

Carcinogenicity:	None known.
Mutagenicity:	None known.
Reproductive Effects:	None known
Developmental Effects:	None known

### Section 12. Ecological Information

Ecotoxicity:	Not applicable
Persistence/Degradability:	Biodegradable
Bioaccumulation/Accumulation:	Not applicable
Mobility in Enviroment:	Not applicable

### Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State or Provincial, & Local regulations

### Section 14. Transportation Information

US DOT (ground)  
 Proper Shipping Description: Not a Hazardous Material  
 CANADA TDG (ground)  
 Proper Shipping Description: Not a Dangerous Good  
 ICAO (air)

Proper Shipping Description: Not a Dangerous Good

IMDG (water)

Proper Shipping Description: Not a Dangerous Good

### Section 15. Regulatory Information

#### Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : No Sara 313 chemicals present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

No Proposition 65 Substances present

WHMIS: Canadian Workplace Hazardous Material Information System

Not regulated

### Section 16. Other Information

#### Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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