

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NatureZyme
Description: Enzymatic Liquid
Product Code: NTN NZ
Suggested Use: Microbial remediation of chemical and biological substances
Restrictions on Use:

Supplier: NuTech Specialties, Inc.
9811 South 6150 West
West Jordan, UT 84081
Telephone: 801-253-1000 (M-F) 8:00-5:00
Fax: 801-280-0307
Emergency Phone: 800-633-8253

2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Skin sensitizer, 3

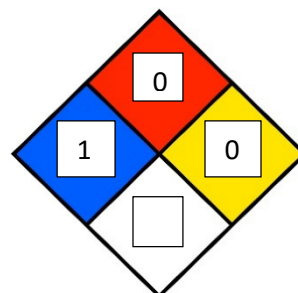
GHS Label Elements

Pictogram:



Signal Word: Warning
Hazard Statements: H317, May cause an allergic skin reaction
Precautionary Statements: P280, Wash thoroughly after handling

HMIS Classification:



Product: NatureZyme

NFPA Rating:

Health	1
Fire	0
Reactivity	0
Personal Protection	C

Potential Health Effects: Causes eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Bacteria Cultures		10-20%

Synonyms:

4. FIRST AID MEASURES

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
Skin Contact:	Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
If Ingested:	Drink large amounts of water water. Consult physician.

5. FIREFIGHTING MEASURES

Extinguishing Media:	Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide
Hazardous Combustion Products:	Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.

Product: NatureZyme

Special Protective Equipment for Firefighters:

In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling: Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
None			

General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

Personal Protective Equipment

Eye Protection: Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

Hand Protection: Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

Skin Protection: Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.

Product: NatureZyme

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear to milky
Odor:	Lemon
Odor Threshold:	N/A
pH:	7
Melting/Freezing Point:	0° C
Boiling Point:	100° C
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	Non Flammable
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1
Density:	8.34# per gallon
Solubility in Water:	Miscible
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions and Materials to Avoid: Oxidizers and strong acids
Hazardous Decomposition Products: Carbon Oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
		Oral LD50	
		Dermal LD50	
		Inhalation LC50	

Potential Health Effects

Inhalation:	N/A
Skin:	Skin allergic reaction
Eyes:	Irritant
Ingestion:	Gastric pain and vomiting if large quantities are ingested
Signs and Symptoms of Exposure:	N/A
Chronic Effects of Long Term Exposure:	None
Carcinogenicity:	None

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
-----------	------------	----------	-------------

Ecological Effects

Persistence and Degradability:	Biodegradable
Bioaccumulation Potential:	Not likely
Mobility in Soil:	Disperses in water
Other Adverse Effects:	

13. DISPOSAL CONSIDERATIONS

Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.

Contaminated Packaging: Dispose of as unused product.

Product: NatureZyme

14. TRANSPORT INFORMATION

DOT Information: Not regulated

Proper Shipping Name:

UN Number:

Hazard Class:

Packing Group:

Reportable Quantity (RQ):

Marine Pollutant: No

Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None

SARA 311/312 Hazards: None

SARA 313 Components: None

TSCA Inventory: No

European Union

EC Inventory:

State Regulations

Utah Clean Air: No

California Prop 65: No

C.A.R.B: No

16. OTHER INFORMATION

SDS Version: 1.0

Revision Date: 05/05/2015

Product: NatureZyme

Supersedes: New to GHS

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

NuTech Specialites, Inc.

Validated on:

Product: NatureZyme