

Material Safety Data Sheet Bio-Enz Powder

Section 1. Chemical Product and Company Identification

Product Name	Bio-Enz Powder	
Product Number	NTP BPE	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	March 29, 2013	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview **This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

DANGER!

Keep out of reach of children.
Keep container closed during storage. For institutional and commercial use

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Eyes Possible eye irritant

Skin May irritate extremely sensitive individuals

Inhalation will not mist

Ingestion Possible gastric pain and vomiting if large quantities are ingested

Medical conditions aggravated by exposure: Unknown

Potential Chronic Health There is no known effect from chronic exposure to this product.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target Organs

Environmental Effects

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Bacteria Cultures & Enzymes				

Section 4. First Aid Measures

Eye Contact	Immediately flush with plenty of clear running water for at least 15 minutes. Get medical attention
Skin Contact	Rinse skin with clear water.
Inhalation	Not applicable
Ingestion	Immediately drink large quantities of water. Get medical attention
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	

Section 5. Fire Fighting Measures

Flammability	Not available
Fire Fighting Media and instructions	N/A
Products of Combustion	Not available
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	Not available
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	N/A
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Environmental Precautions	Biodegradable
Methods for Clean Up	Dilute with water and flush to sanitary sewer

Section 7. Handling and Storage

Precautions	After handling always wash hands thoroughly with soap and water.
Incompatibility	Oxidizers or strong acids
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection Good general ventilation should be sufficient to control airborne levels.

Eyes Not required

Body Not required

Respiratory Not applicable

Hands Not applicable

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	N/A
Molecular Weight	N/A
Ph	N/A
Boiling/Condensation Point	None
Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H ₂ O = 1): 0.920
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density	(Air = 1)

Volatility	N/A
VOC	N/A
Evaporation Rate	(H20 = 1): N/A
Dispersion Properties	N/A
Solubility	N/A
The Product is:	
Auto-ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	N/A
Odor	N/A
Color	N/A

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	No incompatible product according to our data base
Hazardous Decomposition Products	Het, Carbon dioxide and carbon monoxide

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	
Acute Effects on Humans	Acute oral toxicity (LD50): 4000 mg/kg {Rat}. (Triethanolamine)
Eyes	Possible eye irritant
Skin	May irritate extremely sensitive individuals
Inhalation	will not mist
Ingestion	Possible gastric pain and vomiting if large quantities are ingested
Chronic Effects on Humans	There is no known effect from chronic exposure to this product.
Special Remarks on Toxicity to Animals	Not available
Special Remarks on	Not available

**Chronic Effects on
Humans**

Section 12. Ecological Information

Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available
Special Remarks on the Products of Biodegradation	Not available

Section 13. Disposal Considerations
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Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available

Section 14. Transport Information
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DOT (U.S.A.) (Pictograms)	
TDG Classification	Not controlled under TDG (Canada)
PIN UN, Proper Shipping Name, PG	Not applicable
Maritime Transportation	Not available
Special Provisions for Transport	Not available

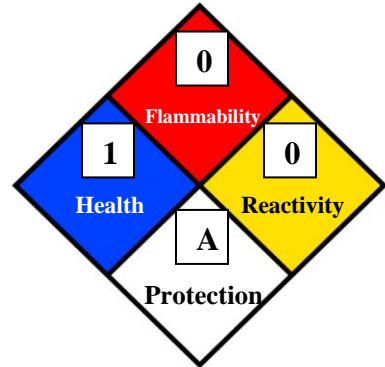
Section 15. Regulatory Information and Pictograms

Regulatory Lists	No products were found.	
Other Regulations	Not available, or of its ingredients	
Other Classifications	HCS (U.S.A.)	Not controlled under HCS (United States)
	USA Regulatory Lists	This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) SARA 302 Extremely Hazardous Substances - Not listed SARA 311 - 1. Immediate (acute) health hazard SARA 313 Toxic Chemical List – Not listed
	DSD (EEC)	This product is not classified according to the EU regulations.
	International Regulations Lists	No Products were found.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



WHMIS (Classification) Not controlled under WHMIS (Canada).

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry Date	3 (Three Years) from the date of preparation indicated in Section 1.		
Validated by		Verified by	
Information Contact		Printed	

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 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.

Validated on NuTech Specialties, Inc.