

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HydroBac
Description: Hydro carbon digesting bacteria
Product Code: NTN HB
Suggested Use: Microbial remediation of chemical and biological substance
Restrictions on Use: None

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:

GHS Label Elements

Pictogram:



Signal Word:

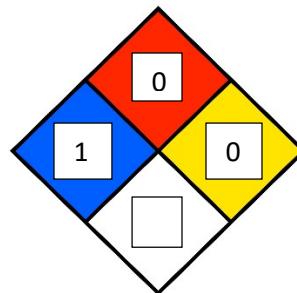
Caution

Hazard Statements:

H317 May cause an allergic skin reaction (CAT:3)

Precautionary Statements:

HMIS Classification:



NFPA Rating:

Health	1
Fire	0
Reactivity	0

Product: HydroBac

Personal
Protection

B

Potential Health Effects:

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Bactria Cultures		
Water		

Synonyms:

4. FIRST AID MEASURES

If Inhaled:	N/A
Skin Contact:	Rinse skin with clear water
Eye Contact:	Immediately flush with clear running water for 15 minutes. Get medical attention
If Ingested:	Immediately drink large quantities of water. Get medical attention

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.
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.

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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.
- 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:	Turbid Liquid
Color:	Brown
Odor:	Fermentation Odor
Odor Threshold:	N/A
pH:	8.8-10
Melting/Freezing Point:	0°C
Boiling Point:	100°C
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	Not Flammable
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	ND
Vapor Density:	N/A
Specific Gravity:	1.00-1.1
Density:	N/A
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 or strong acids may inactivate cultures
Hazardous Decomposition Products:	Carbon oxides from burning

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	CAS Number	Test	Toxicity
Bacteria cultures		Oral LD50	ND

Potential Health Effects

Product: HydroBac

Inhalation:
Skin:
Eyes:
Ingestion:
Signs and Symptoms of Exposure:
Chronic Effects of Long Term Exposure:
Carcinogenicity:

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
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Ecological Effects

Persistence and Degradability:
Bioaccumulation Potential:
Mobility in Soil:
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.

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name:
UN Number:
Hazard Class:
Packing Group:
Product: HydroBac

Reportable Quantity (RQ):
Marine Pollutant:
Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components:
SARA 311/312 Hazards:
SARA 313 Components:
TSCA Inventory:

European Union

EC Inventory:

State Regulations

Utah Clean Air:
California Prop 65:
C.A.R.B.

16. OTHER INFORMATION

SDS Version: 1.0
Revision Date: 05/05/2015
Supercedes: 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:

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