

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bio-Ener g
Description: Alkaline Liquid
Product Code: NTAL BEG
Suggested Use: Alkaline Degreaser
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
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2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Acute oral toxicology 5
Skin Corrosion 1
Serious Eye Damage 1
Aspiration Hazard 2

GHS Label Elements

Pictogram:

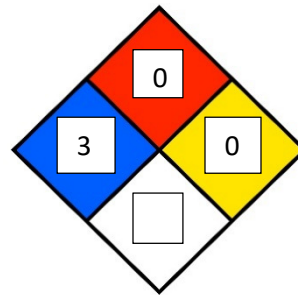


Signal Word: Warning

Hazard Statements: H302, Harmful if Swallowed
H305, May be Fatal if Swallowed and Enters Airways
H314, Causes Severe Skin Burns and Eye Damage

Precautionary Statements: P301, P312, If SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell.
P302, P352, Of on SKIN: Wash with plenty of soap and water
P305, P351, P338, If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification:



NFPA Rating:

Health	3
Fire	0
Reactivity	0
Personal Protection	C

Potential Health Effects: Harmful if ingested or absorbed through skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Hydrated Oxide	1310-58-3	5%
Diethylene Glycol Monobutyl Ether	112-34-5	2-3%

Synonyms:

4. FIRST AID MEASURES

If Inhaled: Not likely a route of entry
Skin Contact: P302, P352, Of on SKIN: Wash with plenty of soap and water
Flush skin with plenty of water. Remove contaminated clothing and shoes.
If irritation persists, consult a physician.
Eye Contact: P305, P351, P338, If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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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: P301, P330, P331, If SWALLOWED, Rinse mouth. DO NOT INDUCE VOMITING. Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with 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.

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: Not likely to be above exposure limits

Product: Bio Ener g

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:	Red Liquid
Color:	Red
Odor:	Pungent
Odor Threshold:	N/A
pH:	13
Melting/Freezing Point:	32° F
Boiling Point:	212° F
Flash Point:	None
Evaporation Rate:	N/A
Flammability (Solid, Gas):	None
Flammability/Explosion Limits:	None
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1
Density:	8.34 lbs. per gallon
Solubility in Water:	Complete
Partition Coefficient:	N/A
Auto Ignition Temperature:	None
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions and Materials to Avoid: Strong Acids
Hazardous Decomposition Products: Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Harmful if swallowed

Component	CAS Number	Test	Toxicity
Hydrated Oxide	N/A		
Diethylene Glycol Monobutyl Ether	N/A		

Potential Health Effects

Inhalation: Can cause irritation of respiratory tract
Skin: Corrosive to skin
Eyes: Corrosive to eyes
Ingestion: May cause irritation of GI tract. Aspiration hazard if swallowed.
Signs and Symptoms of Exposure: Irritation of skin and eyes, burning
Chronic Effects of Long Term Exposure: None
Carcinogenicity: No

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Hydrated Oxide	1310-58-3	Mosquito/Fish	LC 50 80 mg/L 24 hr.
Diethylene Glycol Monobutyl Ether	No data		

Ecological Effects

Persistence and Degradability:
Bioaccumulation Potential:
Product: Bio Ener g

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 Not regulated

Proper Shipping Name:
UN Number:
Hazard Class:
Packing Group:
Reportable Quantity (RQ):
Marine Pollutant:
Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None
SARA 311/312 Hazards: Immediate acute health hazard
SARA 313 Components: None
TSCA Inventory: Yes

European Union

EC Inventory: Yes

State Regulations

Product: Bio Ener g

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

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:

Product: Bio Ener g