

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Laundry Concentrate HE
Description: Alkaline Liquid Cleaner
Product Code: Ntn Ilhe
Suggested Use: Laundry Detergent
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 Irritation-2
Eye Irritation- 2
Aspiration Hazard- 2

GHS Label Elements

Pictogram:



Signal Word: Warning

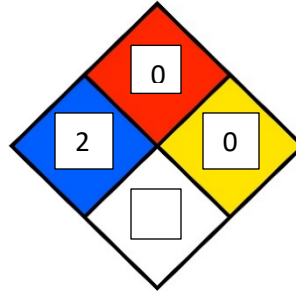
Hazard Statements: H315 Causes skin irritation
H319 Causes serious eye irritation
H305 May be harmful if swallowed and enters airways

Precautionary Statements: P305, 351, 338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P302, 352 If on skin: Gently wash with plenty of soap and water
P301,310 If swallowed: Immediately call a poison center or doctor/physician

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HMIS Classification:



NFPA Rating:

Health	2
Fire	0
Reactivity	0
Personal Protection	C

Potential Health Effects:

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
D-Limonene	5989-27-5	4%
Butoxyethanol	111-76-2	12%
Monoethanolamine	141-43-5	2%

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.

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If Ingested: 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

Component	CAS Number	Exposure Limit	Basis
D-Limonene	5989-27-5	20 ppm	ACGIH
Butoxyethanol	111-76-2	20 ppm	ACGIH

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Monoethanolamine	141-43-5	3 ppm	ACGIH
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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:	Liquid
Color:	Green
Odor:	Citrus
Odor Threshold:	N/A
pH:	10
Melting/Freezing Point:	32° F
Boiling Point:	212° F
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	N/A
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:	Complete
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions and Materials to Avoid: Strong Acids, Strong oxidizers
Hazardous Decomposition Products: Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
D-Limeonene	5989-27-5	Oral Rat LD50	4400 mg/kg
Butoxyethanol	111-76-2	Oral Rat LD50	1300 mg/kg
Monoethanolamine	141-43-5	Oral Rat LD50	500 mg/kg

Potential Health Effects

Inhalation: Not an expected route of exposure
Skin: Irritant
Eyes: Irritant
Ingestion: Aspiration hazard
Signs and Symptoms of Exposure: Vomiting- burning of affected area
Chronic Effects of Long Term Exposure: N/A
Carcinogenicity: No

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
D-Limeonene	5989-27-5		
Butoxyethanol	111-76-2		
Monoethanolamine	141-43-5		

Ecological Effects

Persistence and Degradability: Biodegradable
Bioaccumulation Potential: None expected
Mobility in Soil: Mobile

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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: Listed or exempted
SARA 311/312 Hazards: Acute health
SARA 313 Components: None
TSCA Inventory: Yes

European Union

EC Inventory: Yes

State Regulations

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Utah Clean Air: Yes

16. OTHER INFORMATION

SDS Version: 2.0
Revision Date: 8/4/21
Supersedes: Version 1.0 05/05/2015

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.

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Validated on:

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