

Material Safety Data Sheet Citrus Liquid Laundry Detergent HE

Section 1. Chemical Product and Company Identification

Product Name	Citrus Liquid Laundry Detergent HE	
Product Number	NTN LLHE	
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	September 27, 2012	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 Irritating to the eyes

Skin May cause slight irritation with prolonged contact

Inhalation Vapors may cause irritation to the nose, throat, and respiratory tract. High vapor concentrations may result in nausea

Ingestion May result in vomiting, aspiration of vomit into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

Medical conditions aggravated by exposure: Not applicable

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

Carcinogenic Effects None

Target Organs

Environmental Effects

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Butyl Cello solve	111-76-2	<15%		50/20
Orange Trepenes	94266-47-4	<3%		

Section 4. First Aid Measures

Eye Contact	Remove contact lenses if applicable, flush with water for 15-20 minutes. See physician immediately
Skin Contact	wash effected areas with large amounts of soap and water
Inhalation	Seek fresh air immediately. If breathing is difficult see physician
Ingestion	Give two glasses of water and induce vomiting. Call a physician
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	Use water fog, foam, dry chemical or co2. Do not use direct stream of water. CAUTION: Combustible. Avoid heat, sparks and open flames.
Products of Combustion	Not available
Special Remarks on Fire Hazards	None
Special Remarks on Explosion Hazards	None
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 spills with dirt, sand or, other suitable material. Incinerate where permitted under federal, state, and local regulations.
Environmental Precautions	See Methods for Containment

Methods for Clean Up Absorb spills with dirt, sand or, other suitable material

Section 7. Handling and Storage

Precautions After handling always wash hands thoroughly with soap and water.

Incompatibility Strong oxidizing agents, burning can produce carbon dioxide or carbon monoxide

Storage Keep out of the reach of children. Not for use or storage in or around the home. Keep container sealed when not in use. Protect product from freezing temperatures. Keep product in original shipping container. Container disposal- triple rinse and offer for recycling or disposal in an approved landfill. Read label instructions carefully before using.

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 Safety goggles

Body Eye wash station recommended

Respiratory None

Hands Rubber gloves

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Clear/Yellow Liquid

Molecular Weight N/A

Ph 7.0-8.0

Boiling/Condensation Point None below 212 F

Melting/Freezing Point N/A

Critical Temperature N/A

Instability Temperature	N/A
Specific Gravity	(H2O = 1): 1.05
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): N/A
Dispersion Properties	N/A
Solubility	Partially in water
The Product is:	Neutral Liquid
Auto-ignition Temperature	N/A
Flash Points	108 F
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	None
Explosion Hazards in Presence of Various Substances	None
Odor	Citrus Scent
Color	Clear/Yellow

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Strong oxidizing agents, burning can produce carbon dioxide or carbon monoxide
Conditions to Avoid	Avoid heat, flame and contact with strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide and dioxide

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	
Acute Effects on Humans	
Eyes	Irritating to the eyes
Skin	May cause slight irritation with prolonged contact
Inhalation	Vapors may cause irritation to the nose, throat, and respiratory tract. High vapor concentrations may result in nausea

Ingestion	May result in vomiting, aspiration of vomit into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.
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 Chronic Effects on Humans	Not available

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

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

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	This product does NOT contain components that are known to the state of

Lists 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
 2. Delayed (chronic) health hazard
 SARA 313 Toxic Chemical List – Listed

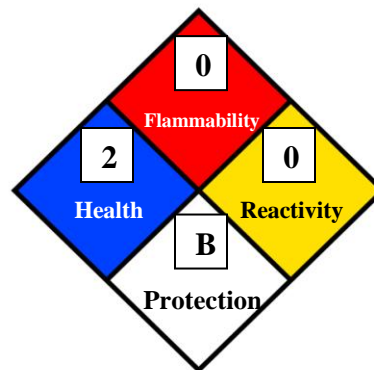
DSD (EEC) This product is not classified according to the EU regulations.

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:

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Validated on _____ **NuTech Specialties, Inc.**