

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Heat Ice Melter
Description: Alcohol mixture
Product Code: NTN LHIM
Suggested Use: Liquid Ice Melter
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: Flammable Liquids, 2
Acute Oral Toxicity, 4
Acute Dermal Toxicity, 4
Specific Target Organ Toxicity(Single Exposure), 1
Specific Target Organ Toxicity(Repeated Exposure), 1

GHS Label Elements

Pictogram:



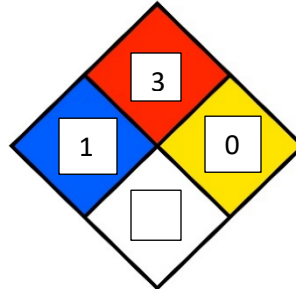
Signal Word: Danger

Hazard Statements: H225, Highly Flammable Liquid and Vapor
H301, Toxic if Swallowed
H312, Harmful in Contact with Skin
H370, Causes damage to organ(s)
H372, Causes damage to organs, kidney, liver, spleen, blood & respiratory system through prolonged or repeated exposure

Product: Liquid Heat Ice Melter

NuTech Specialties Inc.

Precautionary Statements: P201, Obtain special instructions before use.
P260, Do not breathe fumes/mist/vapors or spray.
P270, Do not eat, drink or smoke when using product
P301, P310, If SWALLOWED: Immediately call a poison center or doctor/physician.
P302, P352, If on SKIN: Wash with plenty of soap and water
P403, Store in dry place



HMIS Classification:

NFPA Rating:

Health	1
Fire	2
Reactivity	0
Personal Protection	C

Potential Health Effects: Poison, may be fatal or cause blindness if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Methy, Alcohol	67-56-1	85-95%

Synonyms:

4. FIRST AID MEASURES

Product: Liquid Heat Ice Melter

NuTech Specialties Inc.

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.
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. Call a poison center.

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

Product: Liquid Heat Ice Melter

NuTech Specialties Inc.

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Methy, Alcohol	67-56-1	200 ppm	ACGIH TLV

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:	Red
Odor:	Alcohol
Odor Threshold:	N/A
pH:	5
Melting/Freezing Point:	
Boiling Point:	185° F
Flash Point:	102° F
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
Solubility in Water:	Soluble
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A

Product: Liquid Heat Ice Melter

NuTech Specialties Inc.

Viscosity @ 40°C:	N/A
-------------------	-----

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions and Materials to Avoid:	Heat and ignition sources
Hazardous Decomposition Products:	Carbon monoxide, formaldehyde

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Methyl alcohol	67-56-1	Oral LD50 (rat)	6200 mg/kg
		Dermal LD50	N/A
		Inhalation LC50	22500 ppm

Potential Health Effects

Inhalation:	May cause dizziness and drowsiness
Skin:	Harmful if absorbed through skin
Eyes:	May cause irritation
Ingestion:	Toxic and can cause blindness
Signs and Symptoms of Exposure:	Headache, dizziness, vomiting, may cause blindness
Chronic Effects of Long Term Exposure:	May damage: kidneys,. Liver, spleen, blood and respiratory system
Carcinogenicity:	None

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Methyl alcohol	67-56-1	Freshwater fish	>10000 mg/1-96 hrs.

Ecological Effects

Product: Liquid Heat Ice Melter

NuTech Specialties Inc.

Persistence and Degradability: Not likely
Bioaccumulation Potential: N/A
Mobility in Soil: Mobile
Other Adverse Effects: N/A

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: Acute health hazard, chronic health hazard, fire hazard
SARA 313 Components: Methanol
TSCA Inventory: Yes

European Union

EC Inventory: Listed or exempted

Product: Liquid Heat Ice Melter

NuTech Specialties Inc.

State Regulations

Utah Clean Air: Yes

16. OTHER INFORMATION

SDS Version: 2.0
Revision Date: 8/4/2021
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.

NuTech Specialites, Inc.

Validated on:

Product: Liquid Heat Ice Melter