

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Ice Melter Non-Flammable
Description: Magnesium Chloride Solution
Product Code: NTN LIMNF
Suggested Use: Sprayable 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: Not regarded as a health hazard under current legislation

GHS Label Elements

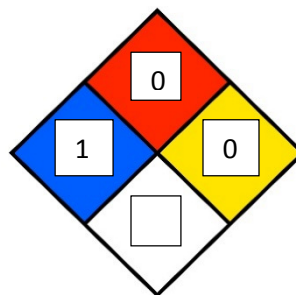
Pictogram: None

Signal Word:

Hazard Statements: None

Precautionary Statements: None

HMIS Classification:



Product: Liquid Ice Melter Non-Flammable

NFPA Rating:

Health	1
Fire	0
Reactivity	0
Personal Protection	B

Potential Health Effects:

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Magnesium Chloride	7791-18-6	25-30%

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.
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.

Product: Liquid Ice Melter Non-Flammable

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
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.

Product: Liquid Ice Melter Non-Flammable

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:	Orange
Odor:	Slight
Odor Threshold:	N/A
pH:	7
Melting/Freezing Point:	-13° F
Boiling Point:	244° F
Flash Point:	Non-flammable
Evaporation Rate:	N/A
Flammability (Solid, Gas):	Non-flammable
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1.3
Density:	10.8 lbs. per gallon
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 under normal conditions
Conditions and Materials to Avoid: Strong acids
Hazardous Decomposition Products: None

Product: Liquid Ice Melter Non-Flammable

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	CAS Number	Test	Toxicity
Magnesium Chloride	7791-18-6	Oral LD50 (rat)	2800 mg/kg

Potential Health Effects

Inhalation:	Not a likely route of exposure
Skin:	May cause mild irritation
Eyes:	May cause mild irritation
Ingestion:	May cause vomiting, nausea, convulsion
Signs and Symptoms of Exposure:	N/A
Chronic Effects of Long Term Exposure:	None
Carcinogenicity:	None

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity: No specific data or information

Component	CAS Number	Organism	Ecotoxicity
-----------	------------	----------	-------------

Ecological Effects

Persistence and Degradability:	N/A
Bioaccumulation Potential:	Not likely
Mobility in Soil:	Mobile
Other Adverse Effects:	None

13. DISPOSAL CONSIDERATIONS

Product: Liquid Ice Melter Non-Flammable

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: No
SARA 311/312 Hazards: No
SARA 313 Components: No
TSCA Inventory: Yes

European Union

EC Inventory: Listed or exempt

State Regulations

Utah Clean Air: No

16. OTHER INFORMATION

SDS Version: 1.0
Product: Liquid Ice Melter Non-Flammable

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: Liquid Ice Melter Non-Flammable