



# Safety Data Sheet



Prepared January 1, 2019

Supersedes all previous versions

Version: 2019.1

## SECTION I – MATERIAL IDENTIFICATION AND USE

Product Form: Liquid Mixture  
Product Name: Sledgehammer  
Product Use: De-Icing, Anti Icing for both Road and Sidewalk Surfaces  
Synonyms: Sledgehammer, Sledge Hammer

Manufacturer/Distributor: ES Deicing, Inc.  
3500 Meyer Rd.  
Fort Wayne, IN 46806

Phone Number: 260-422-2020  
Fax Number: 260-422-1717  
General Information: 260-422-2020  
24hr Emergency Assistance: 260-422-2020

## SECTION 2 – HAZARD (S) IDENTIFICATION

GHS Classification (s): Eye Irritation Category 2B-Mild Irritant  
Skin Irritation Category 3-Mild irritant

GHS Label Elements:

Symbol: None  
Signal Word: Warning  
Hazard Statement: Causes eye irritation  
Causes mild skin irritation

## SECTION 3 – Composition/Information Disclosure

Name	Product Identifier	Concentration %
Sodium Chloride:	7647-14-5	Proprietary
Magnesium Chloride:	7786-30-3	Proprietary
Distillers Condensed Soluble	N/A	Proprietary

## SECTION 4 – First Aid Measures

Routes of Entry	Healthy Hazards	Effects of Exposure to Material	First Aid (Section VIII)
Eyes	Yes	May cause irritation of tissue	Flush eyes promptly with fresh water for 10 minutes. Seek medical attention
Skin	Yes	May cause slight irritation	Wash promptly with warm fresh water and mild soap
Inhalation	Unlikely – Only if the form of very fine spray mist	Vapors non-irritant. Fine particles from spray mist only may cause irritation of nasal and bronchial passages	Remove to fresh air
Ingestion	Unlikely – Has very bitter taste and emetic properties	May cause vomiting and tissue irritation	Rinse mouth out with fresh water. Seek medical attention

## SECTION 5 – Firefighting Measures

Flash Point: N/A  
Boiling Point: >200°F  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Suitable Extinguishing Media: This is a noncombustible product. Appropriate media should be determined by surrounding fire. All Forms of extinguishing medias are allowed.

## SECTION 6 – Accidental Release Measures

No Special precautions. Contain spills to prevent contamination of water supply or sanitary sewer system. Dispose of according to local requirements.

## SECTION 7 – Handling and Storage

Handling and Storage precautions: Practice reasonable care and caution.  
Conditions for safe storage, including any incompatibilities  
No additional precautions require.

Work/Hygienic practices: Skin Contact and the breathing of mists fumes, or vapors should be reduced to a minimum to avoid any ill effects. Wash exposed skin to avoid dermatitis. Consider the use of lanolin skin treatments before handling or working around deicing mixtures.

## SECTION 8 – Exposure Controls/ personal Protection

Exposure Control: No special or engineered controls required  
Respirator Protection: For areas not well ventilated, a NIOSH approved mask is recommended  
Skin Protection: Use of rubber gloves and long sleeve shirts are recommended  
Eye Protection: Use of safety goggles are recommended

## SECTION 9 – Physical and Chemical Properties

### Physical properties

Physical state:	Liquid
Odor and appearance:	Brownish Liquid
Specific Gravity:	1.20 – 1.30
Evaporation rate:	Not tested by manufacturer
Boiling point/range:	Approx. 105 C
Freezing point:	-24° F to -13°F
Solubility:	Complete
PH:	5.9
Odor threshold, vapor density, vapor pressure and % volatile:	No data available

## SECTION 10 – Stability and Reactivity

Reactivity/Chemical Stability:	Not known to be reactive. Remains stable under typical storage conditions.
Incompatible Materials:	Slightly corrosive to metals
Decomposition Products:	Avoid contact with strong acids

## SECTION 11 – Toxicological Information

Ingestion:	Ingestion may cause nausea, vomiting and possibly diarrhea
Inhalation:	Inhalation of spray mist may cause slight irritation to nasal, throat and bronchial passages.
Eye:	May cause irritation and tearing
Skin:	May cause irritation and rash on extended exposure
Carcinogenicity:	No component is listed as a carcinogen
Reproductive Toxicity:	None
Appraisal:	The material is classified as not toxic

## SECTION 12 – Ecological Information

Ecotoxicity-Aquatic & Terrestrial:	Not listed as a marine pollutant on HMT 172.101
Persistence & Degradability:	Readily Bio-degradable in 8 day. 99% Bio-degradable in 28 days
Bio- accumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	None known

## SECTION 13 – Disposal Considerations

RCRA Information:	Check local, state and federal requirements for disposal of large amounts of waste or contaminated soil. This material, if discarded as produced, is not a RCRA “listed” hazardous waste, use which results in chemical or physical change or
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contamination may subject it to regulation as a hazardous waste. It is the responsibility of the generator to fully characterize for toxicity and other RCRA parameters prior to disposal (40 CFR 261). Along with properly characterizing all waste material, consult state and local regulations regarding proper disposal of this material.

## SECTION I4 – Transportation Information

Shipping Name:	Not require
UN Number:	N/A
Hazard class/Packing group:	N/A
Label Required:	None

## SECTION I5 – Regulatory Information

U.S. Regulatory Information:	Toxic Substances Control Act: This product is not listed on the US TSCA Chemical Inventory Section 8(b) Clean Water act: Organic based, chloride salt deicers are not considered hazardous if released into navigable waters. OSHA Hazard Communication: See individual state requirements for Right-To-Know lists.
SARA Hazard Classes:	None
NEPA Rating:	Health: 1 Flammability: 0 Reactivity: 0

## SECTION I6 – Other Information

**PREPARED BY:**  
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(260) 422-2020

**PREP DATE:**  
June 2015

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