



Safety Data Sheet

Prepared January 1, 2019

Supersedes all previous versions

Version: 2019.1

SECTION I – MATERIAL IDENTIFICATION AND USE

Product Form: Sodium Chloride Solution
 Product Name: Brine Solution
 Product Use: De-Icing, Anti Icing for both Road and Sidewalk Surfaces

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 2A 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	23.3
Water:	7332-18-5	76.7

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	Yes	Vapors non-irritant. Fine particles from spray mist only may cause irritation of nasal and bronchial	Remove to fresh air

		passages	
Ingestion	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

Contain spills to prevent contamination of water supply or sanitary sewer system. Dispose of according to local requirements. Isolate area and keep unauthorized personnel away.

SECTION 7 – Handling and Storage

Handling and Storage precautions: Product is slowly corrosive to metal. Handle in properly designed approved equipment systems. Periodically inspect pipelines and other equipment for integrity and corrosion. 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/Light in Color
 Odor and appearance: Odorless
 Evaporation rate: Not tested by manufacturer
 Boiling point/range: Approx. 100° C (>212° F)
 Melting point /Freezing point: -10° C (14° F)
 Solubility: Miscible with water
 pH: 6.5 – 8.5
 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:	Liquid contact or mists will slowly corrode most metals.
Hazardous Decomposition Products:	None known.

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 data available.
Reproductive Toxicity:	None

SECTION 12 – Ecological Information

Ecotoxicity-Aquatic & Terrestrial:	Sodium Chloride: Fish (LC50) Test Results 4747 – 7824mg/l, 96 hours
Persistence & Degradability:	No data available
Bio- accumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	None known

SECTION 13 – Disposal Considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site and in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – Transportation Information

DOT:	Not regulated as dangerous goods
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SECTION 15 – Regulatory Information

US federal regulations: All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR1910.1200.

HMIS Rating: Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: A

NEPA Rating: Health: 1
Flammability: 0
Reactivity: 0

SECTION 16 – Other Information

PREPARED BY:
ES De-icing, Inc.

TELEPHONE #:
(260) 422-2020

PREP DATE:
January 1, 2019

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