



Note: This MSDS has been compiled as a response to customer requests. It is not required under current OSHA regulations.

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Chemical Product Name	Sodium Chloride (Salt) Treated with Pre-wetting Agent and corrosion inhibitors
Chemical Family	Alkali Metal/Halide/Carbohydrate
Chemical Name	Sodium Chloride
Formula	NaCl
Molecular Weight	NaCl 58.44
Commercial Name	ClearLane® PNS Enhanced Deicer
Manufacturer	Emergency Telephone Numbers
Cargill Deicing Technology	CHEMTREC (800) 424-9300
24950 Country Club Blvd., Ste 450	
North Olmsted, OH 44070	
800-600-7258	
www.cargill.com	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description
Brownish-colored crystalline solid.

Ingredient Name	Exposure Limits	Concentration (%)
CAS Number		
Sodium Chloride 7647-14-5		83.4 – 86.2
Magnesium Chloride Hexahydrate 7791-18-6		7.3 - 9.5
Magnesium Sulfate 7487-88-9		0.02 - 0.08
Sodium Gluconate 527-07-1		0.8 - 1.2
Water		1.4 - 1.7
Diammonium Phosphate 7783-28-0		1.2 – 1.3

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

None

Potential Health Effects

Route(s) Of Entry: Ingestion, skin/eye contact, inhalation.

Human Effects and Symptoms of Overexposure:

Acute Inhalation: Dust may irritate the respiratory tract.

Chronic Inhalation: No applicable information found for chronic system effects.

Acute Skin Contact: Large amounts can cause irritation.

Chronic Skin Contact: No applicable information found for chronic system effects.

Acute Eye Contact: Irritation with burning and tearing (salt concentrations greater than the normal saline present).

Chronic Eye Contact: No applicable information found for chronic systemic effects.

Acute Ingestion: May cause nausea and vomiting.

Chronic Ingestion: No applicable information found for chronic systemic effects.

Carcinogenicity

NTP: Not listed as carcinogen or mutagen.

IARC: Not listed as carcinogen or mutagen.

OSHA: Not listed as carcinogen or mutagen.

Medical Conditions Aggravated by Exposure: Possible skin irritation to sensitive persons.

4. FIRST AID MEASURES

First Aid for Eyes: For eye contact, flush with water immediately, lifting eyelids occasionally.

First Aid for Skin: Remove clothing from affected area. Wash skin thoroughly. Rinse carefully.

First Aid for Inhalation: Remove to fresh air. Inhalation is an unlikely entry route.

First Aid for Ingestion: Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

5. FIRE AND MEASURES

Flash Point: N/A

Extinguishing Media: N/A. This product is nonflammable.

Special Fire Fighting Procedures: N/A

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Contain spills to prevent contamination of water supply or sanitary sewer system. Recover useable product. Vacuum or sweep into containers for disposal at an approved facility such as a municipal landfill or land application site.

7. HANDLING AND STORAGE

Storage Temperature (min./max.): Avoid humid or wet conditions as product will cake and become hard.

Special Sensitivity: Avoid contact with strong acids.

Handling and Storage Precautions: Becomes hygroscopic at 75% relative humidity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection Requirements: Eyeglasses or goggles should be worn in dusty areas.

Skin Protection Requirements: Normal work gloves and/or rubber gloves are usually adequate. Protective clothing may be worn, but is generally not required.

Respiratory/Ventilation Requirements: NIOSH/MSHA approved respirator for particulates.

Exposure Limits: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical Form: Crystalline solid with a slight sweet odor.

Color: Brown.

Odor: Sweet smelling.

Boiling Point (760mm Hg)(°C): 1465

Melting Point/Freezing Point (°C): 801

pH: 5-9

Solubility in Water (g/cc)(%): 26.4

Specific Gravity (H₂O = 1): 2.16

Bulk Density (lbs./ft³): 72-80

% Volatile by Weight: N/A

Vapor Pressure (mm Hg/747°C): 2.4

Vapor Density (Air=1): N/A

10. REACTIVITY

Stability: Stable

Incompatibilities: Avoid contact with strong acids, caustics, ammonia and cyanides.

Decomposition Products: May evolve chlorine gas when in contact with strong acids.

11. TOXICOLOGICAL INFORMATION

Description: Not listed.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not listed.

Environmental Degradation: Not listed.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Follow applicable Federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Name: Not listed.

Technical Shipping Name: Not listed.

D.O.T. Hazard Class: Not listed.

U.N./N.A. Number: Not listed.

Product Rq (lbs.): N/A

D.O.T. Label: Not listed.

D.O.T. Placard: N/A

Freight Class Bulk: N/A

Freight Class Package: N/A

Product Label: N/A

15. REGULATORY INFORMATION

OSHA Status: Not listed.

TSCA Status: Listed as non-hazardous.

CERCLA Reportable Quantity SARA Title III
Section 302 Extremely Hazardous Substances: Not listed.

Section 311/312 Hazard Categories: Not an OSHA hazardous material.

Section 313 Toxic Chemicals: Not listed.

RCRA Status: Not listed.

HMIS Rating:

State Regulatory Information

Company Name/Cas Number	Concentration	State Code
N/A		

16. OTHER INFORMATION

Reason for Issue: Regulatory compliance.

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