



Material Safety Data Sheet

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 a Corrosion Inhibitor
Chemical Family	Alkali Metal/Halide
Chemical Name	Sodium Chloride
Formula	NaCl
Molecular Weight	58.44
Commercial Name	CG-90® original anticorrosive deicer

Manufacturer

Cargill Deicing Technology
24950 Country Club Blvd., Ste 450
North Olmsted, OH 44070
800-600-7258
www.cargill.com

Emergency Telephone Numbers

CHEMTREC (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Sodium Chloride and a Proprietary Patented Corrosion Inhibitor.

Ingredient Name

CAS Number

Sodium Chloride 7647-14-5
Corrosion Inhibitor

Exposure Limits

Concentration (%)

93.3 – 97.2
1.8

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

THIS PRODUCT IS NOT REGULATED UNDER: OSHA Hazard Communication Standard 29 CFR 1910.1200 or SARA Title III Does not contain any hazardous components.

Potential Health Effects

Route(s) Of Entry: Inhalation, Skin, Ingestion.

Human Effects and Symptoms of Overexposure: Ingestion of large amounts (greater than 0.1 pound) can cause gastrointestinal upset and irritation of the stomach. Rare cases of over exposure can lead to systemic toxicity related to the binding of ionized blood calcium. No applicable information found for chronic systemic effects.

Acute Inhalation: May cause mild irritation of nose and throat.

Chronic Inhalation: Not Applicable

Acute Skin Contact: Dust may cause mild irritation.

Chronic Skin Contact: Not Applicable

Acute Eye Contact: May cause irritation; inflammation.

Chronic Eye Contact: Not Applicable

Acute Ingestion: Ingestion of large amounts may cause gastrointestinal upset.

Chronic Ingestion: Not Applicable

Carcinogenicity

NTP: Not listed as a carcinogen or mutagen.

IARC: Not listed as a carcinogen or mutagen.

OSHA: Not listed as a carcinogen or mutagen.

Medical Conditions Aggravated by Exposure: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure. (This applies only to salt-sensitive individuals.)

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: If person breathes large quantities, remove to fresh air at once. If breathing stops, apply artificial respiration immediately.

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: Not Flammable.

Extinguishing Media: This product is nonflammable. Use media appropriate to the surrounding fire.

Special Fire Fighting Procedures: Thermal oxidative decomposition may produce toxic fumes. A self-contained breathing apparatus (SCBA) with a full facepiece operated in the pressure demand or positive-pressure mode is recommended.

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Contains spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into containers for proper disposal.

7. HANDLING AND STORAGE

Storage Temperature (min./max.):

Special Sensitivity: Avoid contact with strong acids. Under conditions of high heat, sodium chloride will react with lithium to yield elemental sodium, which will intensify fire conditions.

Handling and Storage Precautions: Avoid humid or wet conditions as product will cake and become hard

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Skin Protection Requirements: Normal work gloves are adequate. Protective clothing may be worn in dusty areas, but is generally not required.

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

Exposure Limits: Not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Mixture of white, gray or clear crystalline solids.

Color: Mixture of white, gray or clear.

Odor: N/A

Boiling Point (760mm Hg) (°C): N/A

Melt Point/Freeze Point (°C): 801°

PH:

Solubility In Water (g/cc, %): 26.4%

Specific Gravity (H₂O=1): 1.25

Bulk Density:

% Volatile By Weight:

Vapor Pressure (mm Hg/747°C): N/A

Vapor Density (Air=1): N/A

10. REACTIVITY

Stability: Stable

Incompatibilities: Avoid contact with strong acids. Incompatible with alkaloids, lead acetate, antipyrine, chloral hydrate, resorcinol and pyrogallol.

Decomposition Products: May evolve chlorine gas when in contact with strong acids. Heating at high temperatures can produce toxic fumes.

11. TOXICOLOGICAL INFORMATION

Description: Not Listed

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not Listed

Environmental Degradation: Not Listed

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: For disposal of this material as a waste, act in accordance with all applicable Federal, state, and local waste management 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.): Not Listed

D.O.T. Label: Not Listed

D.O.T. Placard: Not Listed

Freight Class Bulk: Not Listed

Freight Class Package: Not Listed

Product Label: Not Listed

15. REGULATORY INFORMATION

OSHA Status: Not Listed

TSCA Status: Not Listed

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

State Regulatory Information

Component Name

/CAS Number

Concentration

State-Code

16. OTHER INFORMATION

Reason For Issue: Regulatory Communication

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Title: Director-Quality Administration

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