



# Safety Data Sheet

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Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** GMCO 20 Inhibited De-Icing Salt

**Other means of identification** Sodium chloride, raw salt, road salt, de-icing salt.

**Recommended use of the chemical and restrictions on use**

**Recommended Use** To be used only roadway anti-icer / de-icer.

**Details of the supplier of the safety data sheet**

**Supplier Address**

P.O. Box 1480  
Rifle, CO 81650

**Emergency Telephone Number**

**Company Phone Number** 970-618-7475

## 2. HAZARDS IDENTIFICATION

**Appearance** Light pink to white granular salt.      **Physical State** Solid      **Odor** No odor

**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Label elements** None

**Signal word** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	%
Sodium Chloride	7647-14-5	80 - 95
Magnesium Chloride Hex hydrate	7647-10-1	10 - 20
Corrosion Inhibitor	Proprietary	Proprietary

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>Eye Contact</b>	Flush with water for several minutes, get medical attention if irritation persists. Remove contact lenses and continue to flush.
<b>Skin Contact</b>	Wash exposed area with soap and water, remove and launder contaminated clothing before reuse. Seek medical attention if irritation persists. Discard items which cannot be decontaminated, including leather articles.
<b>Inhalation</b>	Remove to fresh air. If irritation persists, call a physician.
<b>Ingestion</b>	Do not induce vomiting. Administer water if patient is conscious. If copious quantities ingested, call a physician.

### Most important symptoms and effects

<b>Symptoms</b>	Irritation to eyes, skin and respiratory tract.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Not flammable. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media** None known.

### Specific Hazards Arising from the Chemical

Fire Hazard.	Under conditions of fire this material may produce toxic fumes.
Explosion Hazard.	Product is not explosive.
Reactivity.	Stable at ambient temperature and under normal conditions of use.

**Hazardous Combustion Products** Combustion products may exist due to surrounding material burning.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. May use direct water spray to cool containers.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Keep persons not involved in cleanup away from spill area until cleanup is completed.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Pump liquid if present, into salvage containers. Absorb remaining liquid with floor absorbent or other absorbent materials. Remove contaminated absorbent to disposal containers. Wear suitable protective clothing, gloves and eye/face protection.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Do NOT take internally. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store tightly closed in a dry, cool and well ventilated place. Protect from moisture.

**Incompatible Materials** Avoid contact with aluminum or carbon steel to minimize corrosion.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Chloride	None	-	-
Magnesium Chloride	None	-	-

**Appropriate engineering controls**

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Use safety glasses with side shields.

**Skin and Body Protection** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron or full body suit will depend on the task.

**Respiratory Protection** For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator such as an organic vapor cartridge.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Solid	<b>Odor</b>	No odor
<b>Appearance</b>	Granular - crystalline solid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Light pink to white		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	6 - 8		
Melting Point/Freezing Point	1473.8°F (801° C)		
Boiling Point/Boiling Range	2669° F (1465° C)		
Flash Point	Not flammable		
Evaporation Rate	N/A		
Flammability	Not flammable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		

<b>Specific Gravity</b>	N/A
<b>Water Solubility</b>	26%
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	None
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable at ambient temperature and under normal conditions of use.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.

### Conditions to Avoid

Keep out of reach of children. Protect from moisture.

### Incompatible Materials

Contact with acids liberates toxic gas (chlorine). Lithium, interhalogens (bromide, trifluorite, etc), acids, oxidizing agents, iron and cement.

### Hazardous Decomposition Products

Contact with strong acids may produce hydrogen chloride gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chloride (7647-14-5)	3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 b/kg <sup>3</sup> (Rat exposure time: 1h)

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Numerical measures of toxicity

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Environmental Fate**

No data available.

**Toxicity**

No data available

**Degradation Products**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Sewage Disposal Recommendation</b>	This material may be hazardous to the aquatic environment. Keep out of sewers and waterways.

**14. TRANSPORT INFORMATION**

<b><u>Note</u></b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

**15. REGULATORY INFORMATION**

**U. S. Federal Regulations**

**Sodium chloride (7647-14-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**U. S. State regulations**

- U. S. - Texas - Effects Screening Levels - Long Term
- U. S. - Texas - Effects Screening Levels - Short Term

**16. OTHER INFORMATION**

**NFPA**

**Health Hazards**  
 Not determined  
**Health Hazards**  
 1

**Flammability**  
 Not determined  
**Flammability**  
 0

**Instability**  
 Not determined  
**Physical Hazards**  
 0

**Special Hazards**  
 Not determined  
**Personal Protection**  
 Not determined

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**