



# MATERIAL SAFETY DATA SHEET (MSDS)

Pursuant to the Hazard Communication Standard 29 CFR 19100.1200 (US) and the Workplace Hazardous Materials Information System and Controlled Products Regulations (Canada).

## 1. Chemical Product and Company Identification

<b>Chemical Name:</b> Sodium chloride.	<b>Emergency Telephone Numbers:</b>
<b>Chemical Formula:</b> NaCl.	<b>Detroit Salt Company:</b> 313-841-5144.
<b>CAS Number:</b> 7647-14-5.	<b>CHEMTREC:</b> 800-424-9300.
<b>Product Name(s):</b> Rock salt for de-icing.	<b>CANUTEC:</b> 800-996-6666.
<b>Manufacturer:</b> Detroit Salt Company, LLC 12841 Sanders St. Detroit, MI 48217 Tel. 313-841-5144	

## 2. Composition and Information on Ingredients

<u>Ingredient:</u>	<u>Concentration, %:</u>
Sodium chloride	≥ 99

## 3. Hazard Identification

This product is not a hazardous chemical as defined by the Hazard Communication Standard of 29 CFR 1910.1200.	
<b>SARA Hazard Categories:</b>	
<b>Immediate Hazard:</b>	No.
<b>Delayed Hazard</b>	No.
<b>Fire Hazard:</b>	No.
<b>Pressure Hazard:</b>	No.
<b>Reactivity Hazard:</b>	No.
<b>302 Extremely Hazardous Substance:</b>	No.
<b>311 Hazardous Chemical:</b>	No.

**NFPA Hazard Ratings:**

**Health:** 1 (slight).  
**Flammability:** 0 (minimal).  
**Reactivity:** 0 (minimal).  
**Specific Hazard:** N/a.

**Eye Contact:** May cause mild eye irritation.

**Skin Contact:** May cause mild skin irritation. Prolonged exposure to damaged skin may cause absorption with effects similar to those of ingestion.

**Inhalation:** Mild irritation of the nose respiratory tract. Symptoms may include coughing, dryness and sore throat.

**Ingestion:** Ingestion of small quantities is not harmful. Ingestion of large quantities may cause nausea, vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, and prostration.

#### 4. First Aid Measures

**Eye contact:** Flush with water, lifting eyelids occasionally. Get medical advice if irritation persists.

**Skin contact:** Remove clothing from affected area, wash with water. Get medical advice if irritation persists.

**Inhalation:** Move to fresh air or ventilate with fresh air. Get medical advice if irritation persists.

**Ingestion of large quantities:** Drink large quantities of water or milk. Get emergency medical assistance.

#### 5. Fire Fighting Measures

Material is non-combustible and non-flammable. No special extinguishing media or fire-fighting procedures are required. Product presents no fire or explosion hazards.

#### 6. Accidental Release Measures

Promptly contain or remove spills to prevent contact with water. Follow approved, site-specific storm water pollution prevention plan (SWPPP) pursuant to state permit under National Pollution Discharge Elimination System (NPDES) where applicable.



## 7. Handling and Storage

Contain product to prevent spillage. Prevent creation of product dust. Ventilate to remove product dust. Prevent product contact with water or strong acids.

## 8. Exposure Controls/Personal Protection

**Work/Hygienic Practices:** Prevent product exposure with eyes and skin. Prevent creation of product dust. Ventilate to remove product dust.

**Eye Protection:** Employer approved eyeglasses or goggles.

**Skin Protection:** Protective gloves and clothing as necessary.

**Respiratory Protection (Specify Type):** NIOSH/MSHA approved respirator for particulates as necessary.

## 9. Physical and Chemical Properties

**Appearance:** Translucent, grey, or milky white crystalline solid.

**Odor:** None, or slight halogen odor.

**Specific Gravity:** 2.165.

**Molecular Weight:** 58.43

**Solubility in Water:** 26 g per 100 g at 20 °C.

## 10. Stability and Reactivity

**Stability:** Stable and inert under normal conditions. Readily soluble in water. No known hazardous polymerization. No hazardous decomposition or byproducts.

**Incompatibility (Materials to Avoid):** Contact with strong acids may effuse hydrogen chloride, sodium oxide and chlorine gas.

**Conditions to Avoid:** Contact with water. Contact with strong acids.

## 11. Toxicological Information

**OSHA PEL:** Not listed.

**LC50 (rat):** >21000 mg/m<sup>3</sup>.

**LD50 (rat):** 3000 mg/kg.

**Toxicologically Synergistic Products:** None known.

**Sensitization, chronic effects, carcinogenicity, mutagenicity, reproductive effects, teratogenicity:** Not classified or listed by ACGIH, IARC, NTP, and OSHA.

## 12. Ecological Information

<p><b>Clean Water Act:</b> State NPDES program may require permit for handling and storage.</p> <p><b>RCRA:</b> Not listed.</p> <p><b>CERCLA Reportable Quantity:</b> Not listed.</p> <p><b>Clean Air Act:</b> N/a.</p>	<p><b>Inventories:</b></p> <p><b>TSCA (US):</b> Listed as non-hazardous.</p> <p><b>DSL (Canada):</b> Listed.</p> <p><b>NDSL (Canada):</b> Not listed.</p>
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## 13. Disposal Considerations

Properly store and use product for de-icing rather than dispose, if possible. Dispose with approval into licensed sanitary landfill. Dissolved product may be diluted to acceptable concentration and disposed with approval into sanitary sewer.

## 14. Transport Information

<p><b>Department of Transportation (US):</b> Not regulated as dangerous goods.</p>	<p><b>Transportation of Dangerous Goods (TDG Canada):</b> Not regulated as dangerous goods.</p>
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## 15. Other Regulatory Information

**US:** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all of the information required by the CPR.

**WHMIS Status:** Not controlled.

## 16. Other Information

**Disclaimer:** Detroit Salt Company believes the information in this MSDS to be accurate and complete. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purpose.

**Last Review/Revision of this MSDS:** October 24, 2014.