

## Section 1 – Product and Company Identification



American Rock Salt Company LLC  
 5520 Route 63  
 P.O. Box 190  
 Mount Morris, New York 14510

Phone: (585) 243-9510

Website: [www.americanrocksalt.com](http://www.americanrocksalt.com)

# Material Safety Data Sheet

**Product Name: SODIUM CHLORIDE**

### Composition Information:

<b>Chemical Name</b>	Sodium Chloride
<b>Common Names</b>	Salt, Halite
<b>CAS Number</b>	7647-14-5
<b>Chemical Family</b>	Inorganic salt (alkali metal-halogen)
<b>Chemical Formula</b>	NaCl

## Section 2 – Hazard Information

**Physical State:** Crystalline solid  
**Color / Odor:** White or off-white / no odor

This product is not classified as a carcinogen.  
 This material is in compliance with the Toxic Substance Control Act.

<b>Inhalation</b>	May cause mild irritation to the respiratory tract.
<b>Eye Contact</b>	May cause eye irritation.
<b>Ingestion</b>	Ingestion of a large amount of this substance (more than 0.1 pounds) may cause vomiting.
<b>Skin Contact</b>	May cause irritation to skin.

## Section 3 – Composition / Information on Components

Material	CAS#	EINECS#	OSHA / OES PEL / MEL	ACGIH Limit
Sodium Chloride	7647-14-5	231-598-3	15 mg/m <sup>3</sup> TWA Inhalation Total Dust 5 mg/m <sup>3</sup> TWA Inhalation Respirable Dust	10 mg/m <sup>3</sup> TWA Inhalation Total Dust 5 mg/m <sup>3</sup> TWA Inhalation Respirable Dust

NE = Not Established

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### Section 4 - First Aid Measures

<b>Inhalation</b>	May cause mild irritation to the respiratory tract. Remove to fresh air. Get medical attention for any breathing difficulty.
<b>Eye Contact</b>	May cause eye irritation. In case of contact, flush eyes with water. Call physician if irritation persists.
<b>Ingestion</b>	Ingestion of a large amount (more than 0.1 pounds) may cause vomiting.
<b>Skin Contact</b>	May cause irritation. In case of contact, wash skin with soap and water. Call physician if irritation persists.
<b>Skin Absorption</b>	Absorption not expected to go through skin. In case of contact flush skin with soap and water.

### Section 5 – Firefighting Measures

Flashpoint: Non-combustible.  
Flammability Limits: Lower: none Upper: none  
Fire Fighting Instruct: Non-combustible  
Unusual Fire and Explosion Hazards: none

### Section 6 – Accidental Release Measures

No specific hazards connected with leaks or spills. Sweep up and flush area with water.  
Disposal methods: Dry landfill or dissolve in sufficient amounts of water to meet existing water quality standards.

### Section 7 - Handling and Storage

Store in dry area with <75% relative humidity to avoid caking.  
Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

### Section 8 - Exposure Control and Personal Protective Equipment

<b>Ingredient Name</b>	<b>Occupational Exposure Limits</b>
<i>Sodium Chloride</i>	OSHA – TWA: 15 mg/m <sup>3</sup> TWA Inhalation Total Dust OSHA – TWA: 5 mg/m <sup>3</sup> TWA Inhalation Respirable Dust ACGIH Limit– TWA: 10 mg/m <sup>3</sup> TWA Inhalation Total Dust ACGIH Limit– TWA: 5 mg/m <sup>3</sup> TWA Inhalation Respirable Dust
<b>Respiratory Protection:</b>	Respiratory not necessary but may be used for comfort.
<b>Eye Protection:</b>	Desirable but not required.
<b>Skin Protection:</b>	Protective gloves desirable but not required.
<b>Work Practices:</b>	Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

NE = Not Established

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### **Section 9 – Physical and Chemical Properties**

<b>Physical State</b>	Solid crystalline material
<b>Appearance / Odor</b>	White to off-white / no odor
<b>Melting Point</b>	Not Applicable
<b>Boiling Point</b>	≥ 2575° F
<b>Flashpoint</b>	Non-combustible
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	≈ 2.165 (H <sub>2</sub> O = 1)
<b>Vapor Pressure (at 20°C)</b>	2.4 mm @ 1376° F
<b>Vapor Density (Air=1)</b>	Not Applicable
<b>Solubility in Water</b>	317 g/L @ 60° F
<b>pH</b>	Not Applicable

### **Section 10 – Stability and Reactivity**

Stability: Stable at normal temperatures and conditions of storage (see Section 7).

Incompatibility: Chemical reactions occur when this product is involved with strong acids such as sulfuric or nitric.

Hazardous Products of Decomposition: Hydrochloric acid.

Hazardous Polymerization: Will not undergo hazardous polymerization.

### **Section 11 – Toxicological Information**

This product has not been identified as a carcinogen by established regulatory criteria.

<b>Ingestion</b>	May irritate gastrointestinal lining. Ingestion of a large amount of this substance (more than 0.1 pounds) may cause vomiting. Sodium Chloride: LD50 (rat) oral 3000 mg/kg
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### **Section 12 – Ecological Information**

<b>Environmental Statement</b>	Significant quantities left on vegetation for long periods of time may suffocate or burn vegetation. Large quantities of this material in fresh water bodies may harm aquatic plants and animals by disrupting osmoregulation ability.  This material is water-soluble and occurs naturally, and is unlikely to have any long-term effect on the environment. However, large or frequent applications or spills can have a potentially damaging effect on the environment.
<b>Mobility</b>	This material is water-soluble and is expected to move rapidly with surface water or groundwater flows.
<b>Degradability</b>	This material is not organic and therefore does not undergo biodegradation.
<b>Accumulation</b>	Based on available information, the sodium chloride present may bioaccumulate in some aquatic organisms.

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### Section 13 – Disposal Considerations

Follow local and national regulations for solid waste handling. Use only approved transporters, recyclers, treatment, storage or disposal facilities.

Dry landfill or dissolve in sufficient amounts of water to meet existing water quality standards. No special treatment required when disposing in landfill.

Refer to Section 7 for Handling and Storage information.

### Section 14 – Transport Information

Not regulated for transportation purposes.

### Section 15 – Regulatory Information

This material safety data sheet is intended to meet the specific requirements of OSHA's General Industry Standard at 29 CFR 1910.1200.

This product is not listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

<b>Constituent:</b>	Sodium Chloride
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#### US Federal Regulations

SARA 302 / 303		EU	
SARA 311 / 312	X Acute	EINECS	X
SARA 313		ENCS	
Form R		KECI	X
CERCLA		WHMIS	
TSCA	X	METI	X
AICS	X	EC	X
DSL	X	PCCS	X

X = Listed / Regulated

### Section 16 – Miscellaneous Information

All statements, technical information and recommendations contained herein are, to the best of our knowledge, reliable and accurate, however, no warranty, either expressed or implied, is made with respect thereto, nor will any liability be assumed for damages resultant from the use of the material described.

It is the responsibility of the user to comply with all applicable federal, state and local regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

This information is not intended as a license to operate under, or a recommendation to practice or infringe upon any patent of the Company or others covering any process, composition of matter or use.