



## SAFETY DATA SHEET

### Section 1: Product Identification

**Product Name:** Solar Salt  
**Chemical Name:** Sodium Chloride  
**Synonyms:** Halite; Sea Salt; Rock Salt; Table Salt; Highway Salt Code 5024  
**Product Use:** Food, Chemical & Drug Processing; Pharmaceuticals; Water Conditioning; Ice Control  
**Supplier's Details:** The Cope Company Salt  
549 W. Roseville Rd.  
Lancaster, PA 17601  
**Phone Number:** (717) 390-8580  
**Emergency Contact:** 1-877-575-COPE

### Section 2: Hazard Identification

**Classification(GHS):** Not Classified  
**GHS Labelling:** No Labelling applicable  
**Percentage:** Not Applicable  
**Other Hazards:** Exposure may aggravate those with pre-existing eye, skin, or Respiratory conditions.

### Section 3: Composition/Information On Ingredients

**Ingredients:** Sodium Chloride  
**Percentage:** >99%  
**CAS. NO.:** 7647-14-5  
**Classification:** Not Classified



## Section 4: First-Aid Measures

<b>Skin and Eye</b>	Flush with water
<b>Ingestion</b>	High fluid intake facilitates urinary excretion and relief of edema and temporary elevated blood pressure

## Section 5: Fire-Fighting Measures

<b>Flash Point:</b>	None
<b>Fire Hazard:</b>	Not considered flammable but may burn at high temperatures
<b>Explosion Hazard:</b>	Product is not explosive
<b>Special Fire Fighting Procedures:</b>	None/Not Combustible

## Section 6: Accidental Release Measures

Non-hazardous. Sweep up and flush with water

## Section 7: Handling And Storage

Store under DRY (less than 75% R.H) conditions to prevent CAKING of salt. Store on pallets Under protective cover. Do Not store cases/bags directly on damp or concrete floors. Avoid PRESSURE PACKING/CAKING of bags by stacking pallets no greater than 3 high.

## Section 8: Exposure Controls/Personal Protection

<b>Ventilation:</b>	Local exhaust not necessary. Mechanical control dust collection may be used.
<b>Personal Protective Equipment:</b>	Eye goggles and gloves optional and respirator unnecessary, but all may be used for comfort.
<b>Medical Conditions Aggravated by Exposure:</b>	Not available

**Effects of Overdose or  
Overexposure:**

No acute systemic, chronic systemic or chronic local toxicity. In sensitive persons some dermal or eye irritation effects, or after excessive ingestion, edema and/or temporary elevated blood pressure effects. Gavage ingestion of 15-50 g may induce vomiting resulting in partial vacating of stomach contents.

## Section 9: Physical And Chemical Properties

<b>Appearance/Physical State:</b>	Solid white or off-white crystalline material, odorless
<b>Vapour Pressure:</b>	0.1KPa (1mm Hg@ 865°C)
<b>Vapour Density (Air=1.0)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Solubility in Water (g/100cc)</b>	36 @ 20°C
<b>Specific Gravity (gm/cc, Water = 1.0)</b>	2.17
<b>% Volatile by Volume</b>	Not available
<b>Boiling Point (°C) @ 760mm</b>	1465

## Section 10: Stability And Reactivity

<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Concentrated acids such as sulfuric or nitric
<b>Hazardous Polymerization:</b>	None, will not occur
<b>Hazardous Decomposition Products:</b>	Hydrochloric acid from above acid mixtures with salt

## Section 11: Toxicological Information

<b>Acute Toxicity:</b>	Not classified
<b>Respiratory or Skin Sensitization:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity</b>	



(Single Exposure): Not classified  
Aspiration Hazard: Not classified

**Information on Toxicological Effects- Ingredient(s)**

Sodium chloride (7647-14-5) LD50 Oral Rat 3 g/kg  
LC50 Inhalation Rat > 42 g/m<sup>3</sup> (Exposure time: 1 h)

## Section 12: Ecological Information

**Toxicity** No additional information available  
**Sodium chloride (7647-14-5)**

<b>LC50 Fish 1</b>	5560(5560-6080) mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {flow-through})
<b>EC50 Daphnia 1</b>	1000 mg/l (Exposure time: 48 h – Species: Daphnia magna)
<b>LC 50 Fish 2</b>	12946 mg/l (Exposure time: 96 h – Species: Lepomis macrochirus {static})
<b>EC50 Daphnia 2</b>	340.7 (340.7-469.2) mg/l (Exposure time: 48 h – Species: Daphnia magna {static})

**Persistence and degradability** Not available  
**Bio accumulative potential**

Sodium chloride (7647-14-5)	BCF Fish 1	(no bioaccumulation)
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**Mobility in Soil** Not available  
**Other Information** Avoid release to the environment

## Section 13: Disposal Considerations

**Waste Disposal** Dry to land fill or dissolve in sufficient amounts of water to meet local  
**Recommendations:** water quality standards

## Section 14: Transport Information

**In Accordance with DOT** Not regulated for transport



## Section 15: Regulatory Information

### US Federal Regulations

Sodium chloride (7647-14-5) Act)	Listed on the United States TSCA (Toxic Substances Control inventory
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## Section 16: Other Information

**Effective Date:** May 11, 2015  
**Version:** 1  
**Contact:** [info@copecompany.com](mailto:info@copecompany.com)

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