

Chemical Equipment Labs, INC  
Solar Salt with Rust Out  
Safety Data Sheet (SDS)

**Section 1: IDENTIFICATION**

**PRODUCT IDENTIFIER**

**Solar Salt with Rust Out**

**RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE**

Deicing, water softeners, Pool salts and animal feeds.

Other means of identification:

SDS number : ND15

Synonyms : Sodium Chloride (Salt) Treated with Citric Acid

Recommended Use : Salt may be intended for food or animal feed (agricultural) as well as several industrial applications including deicing and water conditioning.

Recommended Restrictions : None known.

**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

**Name/Address:** Chemical Equipment Labs, INC  
3920 Providence Road  
Newtown Square, PA 19073

**Contact Information:** Telephone: 610-497-9390  
Fax: 610-497-9524  
Email: [Orders@chemicalequipmentlabs.com](mailto:Orders@chemicalequipmentlabs.com)  
[www.chemicalequipmentlabs.com](http://www.chemicalequipmentlabs.com)

**EMERGENCY TELEPHONE NUMBER**

CHEMTREC (800) 424-9300  
Outside continental USA (703) 527-3887

**Section 2: HAZARD(S) IDENTIFICATION**

**CLASSIFICATION ACCORDING TO OSHA HAZCOM 2012**

Hazard hazards : Not classified

Health hazards : Not classified

OSHA defined hazards : Not classified

**LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012**

There are no OSHA required label elements for this product.

**Precautionary statement**

Prevention : Observe good industrial hygiene practices.

Response : Wash hands after handling.

Storage : Store away from incompatible materials.

Disposal : Dispose of waste and residues in accordance with local authority requirements.

**CLASSIFICATION ACCORDING TO WHMIS (Canada)**

Hazard Class : Not controlled

WHMIS Hazard Symbols Not applicable  
WHMIS Signal Word Not applicable

### POTENTIAL HEALTH EFFECTS

**Eye Contact** May cause temporary eye irritation. Corneal injury is unlikely.  
**Skin Contact** Repeated contact may cause slight skin irritation or dry skin.  
**Inhalation** may cause irritation or coughing.  
**Ingestion** Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.  
**Effects of repeated exposure** No effects other than described above are expected.

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

**COMPOSITION:** Solar Salt

CHEMICAL/COMMON NAME	CAS-NUMBER	%	OSHA-PEL	NTP LISTED
Sodium Chloride	7647-14-5	99.62%	NE	
Citric Acid	77-92-9	0.38		

### Section 4: FIRST-AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURE

**Eye** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, seek medical attention.  
**Skin** As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.  
**Inhalation** If inhaled, move to fresh air and get medical advice.  
**Ingestion** If swallowed, give milk or water to drink and telephone for medical advice. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### MOST IMPORTANT SYMPTOMS / EFFECTS

**Eye** May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.  
**Skin** As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.  
**Inhalation** Inhalation of dust during handling may cause respiratory tract irritation and coughing.  
**Ingestion** Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

**Specific treatments** If you feel unwell, seek medical advice immediately. Show the label or safety data sheet to medical personnel if possible.

## Section 5: FIRE FIGHTING MEASURES

### FLAMMABILITY

**Flash Point (close up)** Nonflammable by OSHA/WHMIS criteria

**Auto Ignition** Not applicable

### EXTINGUISHING MEDIA

**Suitable Extinguishing Media** Not applicable

**Unsuitable Extinguishing Media** Not applicable

### SPECIAL HAZARDS

**Hazardous Combustion Products** Normal combustion forms carbon dioxide and water

**Explosion Limits** Not considered to be explosion hazard.

**Unusual Fire Hazard** None expected

## SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

**Special Protective Equipment for Firefighters** Not applicable

## Section 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Avoid eye/skin contact with spilled material. Refer to Section 7 for additional handling precautions

**Methods for Containment** If material is dissolved, contain and/or absorb spill with inert material (e.g. sawdust, sand, vermiculite).

**Methods for Cleaning-UP** Scoop up material and transfer to disposal container. If needed, was spillage area with plenty of water.

## Section 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**Handling** Avoid eye contact. Avoid breathing dust when handling.

### PRECAUTIONS FOR SAFE STORAGE, INCLUDING ANY COMPATIBILITIES

**Storage** Store in tightly sealed original containers, away from direct heat and strong oxidizing agents. Do not store or handle product in systems constructed of wetted parts consisting of galvanized steel, zinc, or brass components.

## Section 8: CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMITS

**TWA PEL:** No specific limits have been established for this product. As a guideline, OSHA (United States) has established the following limits which are generally

recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 8-hour TWA of 15mg/m<sup>3</sup> (total particulate) and 5 mg/m<sup>3</sup> (respirable fraction).

**TWA TLV:**

No specific limits have been established for this product. As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insoluble) Not Otherwise Classified (PNOC): 8- Hour TWA limits of 10 mg/m<sup>3</sup> (as total dust) and 3 mg/m<sup>3</sup> (as respirable)

**EXPOSURE CONTROLS**

**Engineering Controls**

No special ventilation is usually necessary; however if operating conditions create high concentration of this material, special ventilation may be needed to keep exposure to airborne contaminants below the exposure limit.

**INDIVIDUAL PROTECTIVE MEASURES/PERSONAL PROTECTIVE EQUIPMENT**

**Eye Protection**

Safety glasses or goggles are recommended if eye exposure to product or dust is possible.

**Skin Protection**

Chemical-resistant gloves and clothing should be used if prolonged exposure is possible to prevent drying of skin.

**Respiratory Protection**

If operating conditions create high airborne concentrations of this material, the use of an approved respirator is recommended.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	White crystalline solid
<b>ODOR</b>	Slight
<b>ODOR THRESHOLD</b>	No data available
<b>Ph (20°C, 68°F)</b>	No data available
<b>MELTING POINT</b>	1473.8°F (801 °C)
<b>BOILING POINT (760 MM Hg)</b>	2669°F (1465 °C) (760 mmHg)
<b>FLASH POINT</b>	Not applicable
<b>EVAPORATION RATE</b>	NA
<b>FLAMMABILITY/EXPLOAION LIMITS</b>	Not applicable
<b>VAPOR PRESSURE (mm Hg/747° C)</b>	2.40°C
<b>VAPOR DENSITY (AIR = 1)</b>	No data available
<b>RELATIVE DENSITY</b>	2.16 (H2O=1)
<b>SOLUBILITY IN WATER (g/cc,%)</b>	26.4%
<b>AUTO-IGNITION TEMPERATURE</b>	Not applicable
<b>DECOMPOSITION TEMPERATURE</b>	Not applicable
<b>VISCOSITY (20°C)</b>	Not applicable
<b>OXIDIZING PROPERTIES</b>	Not oxidizing
<b>EXPLOSIVE PROPERTIES</b>	Not explosive
<b>MOLECULAR FORMULA</b>	NaCl
<b>MOLECULAR WEIGHT</b>	58.44

## Section 10: STABILITY AND REACTIVITY

### REACTIVITY

The product is stable and non-reactive under normal conditions of use, storage and transport..

### CHEMICAL STABILITY

Materials is stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

### CONDITIONS TO AVOID

Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

### INCOMPATIBLE MATERIALS

Avoid contact with strong acids. Becomes corrosive to metals when wet.

### HAZARDOUS DECOMPOSITION PRODUCTS

May evolve chlorine gas when in contact with strong acids.

## Section 11: TOXICOLOGICAL INFORMATION

### ACURTE TOCICITY

LD50 rat-oral: 3000 mg/kg

### LIKELY ROUTES OF EXPOSURE

Skin contact, eye contact, ingestion

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

<b>Eye</b>	Dust in the eyes will cause irritation.
<b>Skin</b>	Prolonged or repeated contact may cause irritation.
<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

### DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE/NUMERICAL MEASURES OF TOXICITY

<b>Skin Corrosion/Irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious Eye Damage/Irritation</b>	Dust in the eyes will cause irritation.
<b>Respiratory or Skin Sensitization</b>	Not available.
<b>Germ Cell Mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	This product does not contain any ingredients that are considered to be carcinogens by IARC, NTP, or OSHA.
<b>Reproductive Toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>STOT-Single Exposure</b>	Not classified.
<b>STOT-Repeated Exposure</b>	Not classified.
<b>Aspiration Hazard</b>	Due to the physical form of the product it is not an aspiration hazard.

## **Section 12: ECOLOGICAL INFORMATION**

### **ECOTOXICITY (AQUATIC AND TERRESTRIAL)**

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.

### **PERSISTENCE AND DEGRADABILITY**

No data available on the degradability of this product.

### **BIOACCUMULATIVE POTENTIAL**

No data available

### **MOBILITY IN SOIL**

No data available

### **OTHER ADVERSE EFFECTS**

None know.

## **Section 13: DISPOSAL CONSIDERATIONS**

### **DISPOSAL INSTRUCTIONS**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

### **LOCAL DISPOSAL REGULATIONS**

Dispose in accordance with all applicable regulations.

### **HAZARDOUS WASTE CODE**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### **WASTE FROM RESIDUES/UNUSED PRODUCTS**

Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. The material and its container must be disposed of in a safe manner (see: Disposal instructions).

### **CONTAMINATED PACKAGING**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## **Section 14: TRANSPORT INFORMATION**

### **TRANSPORT INFORMATION**

Not regulated as dangerous goods per US DOT or IATA.

## **Section 15: REGULATORY INFORMATION**

### **INVENTORY LISTS**

All of the components in this product are on the following inventory lists: USA (TSCA), Canada (DSL/NDSL), Europe (EINECS)

### **TSCA SECTION 12(b)**

None of these chemicals in this are listed under TSCA Section 12(b).

### CERCLA HAZARDOUS SUBSTANCES

There is no CERCLA Reportable Quantity for this material

### SARA 311 CATEGORIES

Immediate (Acute) Health Hazard:	No
Delayed (Chronic) Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

### SARA 313

None of the components in this product are subject to reporting under SARA Section 313.

### CLEAN WATER ACT

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

### STATE RIGHT-TO-KNOW

This product does not contain components at levels which are required to be reported under the statues of the following: PA, MA, MN, and NJ.

This product does not contain materials known to the State of California (Proposition 65) to cause cancer and/or reproductive harm at levels which would require a warning under the statute.

NFPA 704	
Health	1
Fire	0
Physical Hazard	0
Hazard Rating: 0-4 0-least hazardous; 4-most hazardous	

HMIS – Hazardous Materials Identification System	
Health	1
Fire	0
Physical Hazard	0
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe	

## Section 16: OTHER INFORMATION

### SDS REVISION DATE

**Revision date:** May 1, 2023

**Expiration date:** May 1, 2026

Latest version of this SDS can be obtained from Chemical Equipment Labs, INC

### NOTE TO EMPLOYER

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please ensure this information is provided to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS. Discard any previous edition of this SDS.

### DISCLAIMER

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, New Haven Packaging, LLC makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for the reliance thereon. New Haven Packaging, LLC assumes no responsibility for any injury or loss resulting from the use of the product described herein. User should satisfy himself that he has all current data relevant to his particular use.

**End of Safety Data Sheet**