

# Safety Data Sheet

## 1 – Product and Company Identification

**Trade Name:** SO-CAL  
**Synonyms:** Liquid sodium chloride, calcium chloride  
**Product use:** Anti-ice, de-ice, ice melter  
**Restrictions:** None known  
**Manufacturer:** Custom Salt Solutions LLC  
**Contact Address:** 900 N Nelson St Ste B  
Spokane, WA 99202  
**Telephone Number:** 888.489.3101  
509.489.3100  
**Website:** www.customsaltsolutions.com  
**Emergency Telephone  
Number (Cemtrec):** 800.424.9300

## 2 – Hazard Identification

**Classification:** Serious eye damage/eye irritation – Category 2A  
**Signal Word:** WARNING  
**Hazard Statement:** H319: Causes serious eye irritation  
**Pictogram:**



## Precautionary Statements

**Response:** P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: if eye irritation persists: Get medical attention.  
**Prevention:** P280: Wear eye or face protection.  
P264: Wash hands thoroughly after handling.



**Storage:** N/A  
**Disposal:** N/A

### **3 – Composition/Information on Ingredients**

<b>Chemical Name:</b>	<b>CAS. Reg. No.</b>	<b>Weight %</b>
Sodium Chloride	007647-14-5	20%
Calcium Chloride	10043-52-4	3%
Corrosion Inhibitor	Proprietary	5%
Water	007732-18-5	71%

### **4 – First Aid**

**Eyes:** Promptly flood with water and continue washing for at least 15 minutes. Consult an ophthalmologist.

**Inhalation:** Move to fresh air; if breathing is difficult or discomfort persists, GET MEDICAL ATTENTIONS.

**Ingestion:** If swallowed will cause nausea and vomiting. If victim is conscious, have victim drink water. If victim is unconscious or having convulsions, do nothing except keep victim warm and GET THEM MEDICAL ATTENTION.

**Skin:** If necessary, remove contaminated clothing and shoes. Flush affected areas with plenty of water for at least 15 minutes.

### **5 – Fire Fighting Measures**

**Extinguishing:** This product is non-flammable

**Exposer Hazards:** Avoid breathing corrosive vapors; keep upwind. Dike area to prevent runoff and contamination of water sources

**Protective Equipment for Fire Fighting:** Self-contained breathing apparatus (SCBA) and full protective gear

**Fire Fighting Procedures:** N/A

**NFPA Rating:** Health – 1  
Flammability – 0



Instability - 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Uniform Fire Code Rating:** N/A

## **6 - Accidental Release Measures**

**Personal Precautions:** Keep authorized personal from entering the area. Spilled material may cause a slipping hazard.

**Emergency Procedures:** Isolate area.

**Methods of** Dike the spilled liquid, and either pump back into original container or cover with sand or clay-type substance for absorption.

**Containment and Clean-up:**

## **7 - Handling and Storage**

**Safe Handling:** Store at ambient temperature. Eye wash and safety shower should be provided within the immediate work area for emergency use. Launder contaminated clothing before re-use. Prevent possible eye and skin contact by wearing protective clothing and equipment.

**Storage:** Protect from atmospheric moisture.

**Work/Hygienic Practices:** Avoid contact with eye, skin, and mucous membranes. Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

**Ventilation:** Use local exhaust in enclosed areas. Natural ventilation for outdoor areas.

## **8 - Exposure Control/Personal Protection**

**Respiratory Protection:** N/A

<b>Ventilation:</b>	Use local exhaust in enclosed area. Use natural ventilation for outdoor areas.
<b>Protective Clothing:</b>	Use impervious clothing, rubber gloves, and rubber boots.
<b>Eye Protection:</b>	Use splash-proof safety goggles and splash shields where there is any possibility of calcium chloride contacting the eyes.
<b>Other Protective Clothing or Equipment:</b>	N/A
<b>Work/Hygienic Practices:</b>	Avoid contact with eyes, skin, and mucous membranes. Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. DO NOT place food, or drink in areas where dusting or splashing of solution is possible.

## 9 – Physical and Chemical Properties

<b>Appearance:</b> Clear to straw colored liquid	<b>Odor:</b> None
<b>Odor Threshold:</b> N/A	<b>pH:</b> 6.5
<b>Melting Point/Freeze Point:</b> -21 ° F	<b>Initial Boiling Point:</b> 212 ° F
<b>Flash Point:</b> N/A	<b>Evaporation Rate:</b> N/A
<b>Flammability:</b> N/A	<b>Lower/Upper Explosive Limit:</b> N/A
<b>Vapor Pressure:</b> N/A	<b>Vapor Density:</b> N/A
<b>Relative Density:</b> N/A	<b>Solubility in Water:</b> 100%
<b>Partition Coefficient:</b> N/A	<b>Autoignition Temperature:</b> Non-Flammable
<b>Decomposition Temperature:</b> N/A	<b>Viscosity:</b> N/A
<b>% Volatiles:</b> 77%	<b>Specific Gravity:</b> 1.186 @ 60 ° F
<b>Molecular Weight:</b> 77.03	<b>VOC:</b> N/A

## 10 – Stability and Reactivity

<b>Reactivity:</b>	Low reactivity
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous</b>	Hazardous polymerization will not occur

**Reactions Or  
Polymerizations:**

**Conditions to Avoid:** N/A

**Incompatible Materials:** Metals will slowly corrode in aqueous solution. Keep away from galvanized iron, aluminum, and tin. Concentrated acids, Boric acid, nitric acid and calcium oxide are incompatible.

**Hazardous  
Decomposition  
Products:** If the liquid completely dries from fire, thermal decomposition products may include toxic and corrosive fumes of chlorine and hydrogen chloride. Product may react with some metals (aluminum, zinc, tin, etc.) to release flammable hydrogen gas.

**11 – Toxicological Information**

**Acute and Chronic Effect:** See Section 4

**Routes of Exposure**

<b>Ingestion:</b>	Yes
<b>Inhalation:</b>	No
<b>Skin:</b>	Yes
<b>Eyes:</b>	Yes

**Symptoms related to  
Physical, Chemical &  
Toxicological  
Characteristics:** N/A

**Numerical Measures of  
Toxicity:** Toxicity Data

LD50: 1000 mg/kg, oral, rat

Moderately toxic by ingestion, slightly toxic by dermal absorption.

**Chronic Toxicity:** N/A



**Carcinogenicity:**

Product Name: SO-CAL					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
No	No	No	No	No	No

## 12 - Ecological Information

**Ecotoxicology:** N/A

**Persistence and Degradability:** N/A

**Bioaccumulative Potential:**

Product/Ingredient	Log <sub>pow</sub>	BCF	Potential
-	-	-	-

**Mobility in Soil:** N/A

## 13 - Disposal Consideration

**Disposal of Container:** Dispose of in accordance with local, state, and federal regulations.

## 14 - Transport Information

This product is not regulated as a hazardous material, substance or dangerous good.

## 15 - Regulatory Information

**SARA 302 Extremely Hazardous Substance (EHS):** No chemical in this product is listed as an Extremely Hazardous Substance (EHS) under Section 302 of EPCRA.

**SARA 304 Extremely Hazardous Substance (EHS) Release Notification:** No chemical in this product is listed as an Extremely Hazardous Substance (EHS) which, if released to the environment in quantities at or above the substance's Reportable Quantity (RQ), would require reporting to the SERC and LEPC under Section 304 of EPCRA.

**SARA 311/312 Hazards:**



SARA 311/312 Hazards				
Acut e	Chroni c	Flammabilit y	Pressur e	Reactivit y
No	No	No	No	No

**SARA 313 Reportable Chemicals:**

No chemical in this product is subject to annual emissions, transfers, or waste management reporting under the Community-Right-to-Know provisions of EPCRA Section 313, also known as the Toxic Release Inventory (TRI) Report or Form R.

**CERCLA Hazardous Substance:**

No chemical in this product is listed as a CERCLA hazardous substance subject to the National Response Center (NRC) release reporting requirements.

**Clean Air Act (CAA) Section 112(r) Air**

No chemical in this product is listed as an air pollutant under the U.S. Clean Air Act, Section 112(r)(40 CFR 61).

**California Prop 65 Chemicals:**

This product does not contain any chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

**Hazard Label Warning:**

This product does not require hazard label warning.

**TSCA (Toxic Substance Control Act):**

All chemicals substance in this product are listed on the U.S. TSCA Inventory List.

**Acronyms:**

CAS # - Chemical Abstract Service Registry Number  
CERCLA - Comprehensive Environmental Response, Compensation, And Liability Act  
EPCRA - Emergency Planning and Community Right-to-Know-Act  
LEPC - Local Emergency Planning Committee  
SERC - State Emergency Response Commission

**16 - Other information**

**Revision Date:** 12/02/2016

**Supersedes:** 06/01/2016



**First Issued:** 10/03/2012

**Chemical Family/Type:** Inorganic Salt

**Section(s) Changed Since Last Revision:** From MSDS to First Issue SDS Conversion

**IMPORTANT!** Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Custom Salt Solutions LLC** makes no warranty, either expressed or implied, with respect to completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional

information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.