



# Sodium Chloride Solid

This MSDS Sheet complies with the style format specified by ANSI Z400 1-1993

## **SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION**

**TETRA Technologies, Inc.** (281) 367-1983  
25025 I-45 North (800) 327-7817  
The Woodlands, Texas 77380

**(800) 424-9300 CHEMTREC (24-Hour Emergency Response)**  
**(800) 222-1222 POISON CONTROL**

**SUBSTANCE:** Sodium Chloride  
**TRADE NAME/SYNONYM:** Sodium Chloride Solid  
**CHEMICAL FAMILY:** Inorganic Salt  
**MSDS CREATION DATE:** 14 FEB 96  
**MSDS REVISION DATE:** 30 DEC 02

## **SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS**

COMPONENT	CAS NUMBER	RTECS NUMBER	PERCENTAGE
Sodium Chloride	7647-14-5	VZ4725000	> 99.9%

**PROBABLE CONTAMINANT:** Trace Calcium Sulfate

## **SECTION 3: HAZARDS IDENTIFICATION**

**NFPA RATINGS:** (SCALE 0-4): HEALTH=1 FIRE=0 REACTIVITY=0

**EMERGENCY OVERVIEW:** Odorless, colorless to white, crystalline powder. Causes eye irritation. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION, SKIN CONTACT, EYE CONTACT:** May cause irritation  
**INGESTION:** May cause nausea.

## **SECTION 4: FIRST AID MEASURES**

**INHALATION:** Remove from exposure area to fresh air.  
**SKIN CONTACT:** Remove contaminated clothing and shoes. Wash affected area with soap. Get medical attention if needed.  
**EYE CONTACT:** Flush eyes with large amounts of water.  
**INGESTION:** Get medical attention.

## **SECTION 5: FIRE FIGHTING MEASURES**

**FIRE AND EXPLOSION HAZARD:** Negligible fire hazard.  
**HAZARDOUS COMBUSTION PRODUCTS:** None.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**OCCUPATIONAL SPILL:** For dry spills place material in covered, clean, dry container for disposal.



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## **SECTION 7: HANDLING AND STORAGE**

Observe all federal, state and local regulations when storing this product. Store in a tightly closed container. Store away from incompatible materials.

## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EXPOSURE LIMITS:** No occupational exposure limits established by OSHA/ACGIH/NIOSH.  
**VENTILATION:** Provide local exhaust ventilation system.  
**EYE PROTECTION:** Wear safety glasses with splash shields or safety goggles/shield.  
**CLOTHING:** Wear appropriate protective (impervious) clothing.  
**GLOVES:** Wear appropriate protective gloves.  
**RESPIRATOR:** Use of a NIOSH approved respirator should be based on contamination levels in the workplace or situation.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**DESCRIPTION:** Odorless, colorless to white, crystalline powder  
**FORMULA:** NaCl  
**MOLECULAR WEIGHT:** 58.44  
**MELTING POINT:** 1,474° F (801° C)  
**SPECIFIC GRAVITY:** 2.16 @ 25° C  
**WATER SOLUBILITY:** 35.7% @ 0° C  
**SOLVENT SOLUBILITY:** Soluble in glycerol; slightly soluble in alcohol

## **SECTION 10: STABILITY AND REACTIVITY**

**REACTIVITY:** Stable under normal temperatures and pressures.  
**INCOMPATIBILITIES:** Strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION:** None under normal conditions.  
**POLYMERIZATION:** Does not occur under normal temperatures and pressures.  
**CONDITIONS TO AVOID:** None.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICITY DATA: SODIUM CHLORIDE**  
TD<sub>LO</sub>: 12,357 mg/kg, oral, 23 days-continuous, human  
LD<sub>50</sub>: 3,750 mg/kg, oral, rat  
LD<sub>LO</sub>: 3,500 mg/kg, subcutaneous, rat  
LD<sub>50</sub>: 6,614 mg/kg, intraperitoneal, mouse  
Mutagenic data - See Registry of Toxic Effects of Chemical Substances (RTECS) file.  
**CARCINOGEN STATUS:** None.  
**LOCAL EFFECTS:** Irritant-eye.  
**ACUTE TOXICITY LEVEL:** Moderately toxic by ingestion, slightly toxic by dermal absorption.

## **SECTION 12: ECOLOGICAL INFORMATION**

**DEGRADABILITY:** Product will not biodegrade or bioaccumulate.

## **SECTION 13: DISPOSAL INFORMATION:**



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Observe all federal, state and local regulations when disposing of this substance.

### **SECTION 14: TRANSPORT INFORMATION**

DOT Shipping Name-ID Number: Non-regulated

### **SECTION 15: REGULATORY INFORMATION**

TSCA STATUS:	Yes
OTHER TSCA ISSUES:	None
SARA 311 CLASSIFICATION:	Acute Hazard
DSL STATUS:	Yes
EINECS:	Yes (EC Number: 231-598-3)
CALIFORNIA PROPOSITION 65:	No ingredients found on the Propositions 65 list.

### **SECTION 16: OTHER INFORMATION**

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the users' responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

TETRA Technologies, Inc. reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.