



TETRA Sodium Chloride Solution

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 Solution
CHEMICAL FAMILY: Inorganic Salt
MSDS CREATION DATE: 20 FEB 96
MSDS REVISION DATE: 30 DEC 02

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	RTECS NUMBER	PERCENTAGE
Sodium Chloride	7647-14-5	VZ4725000	1-26%
Water	7732-18-5		74-99%

PROBABLE CONTAMINANT: Trace Calcium Sulfate

SECTION 3: HAZARDS IDENTIFICATION

NFPA RATINGS: (SCALE 0-4): HEALTH=1 FIRE=0 REACTIVITY=0
EMERGENCY OVERVIEW: Odorless, colorless liquid. 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

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.

SECTION 5: FIRE FIGHTING MEASURES

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL:
Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into containers for later reclamation or disposal. For larger spills, dike far ahead of spill for later disposal.



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SECTION 7: HANDLING AND STORAGE

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

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.
EMERGENCY WASH FACILITIES: An eye wash fountain and quick drench shower should be available within the immediate work area for emergency use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Odorless, colorless liquid.
MOLECULAR WEIGHT: 58.44 for pure sodium chloride.
MOLECULAR FORMULA: NaCl in water.
SPECIFIC GRAVITY: 1.007 - 1.198 @ 20° C
pH: 6.5 - 9.0
WATER SOLUBILITY: Miscible with water in all proportions.
SOLVENT SOLUBILITY: Miscible in glycerol.

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: No data are available for Sodium Chloride solution. The data listed below are for pure Sodium Chloride.

TD_{LO}: 12,357 mg/kg, oral, 23 days-continuous, human
LD₅₀: 3,750 mg/kg, oral, rat
LD_{LO}: 3,500 mg/kg, subcutaneous, rat
LD₅₀: 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.



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SECTION 12: ECOLOGICAL INFORMATION

DEGRADABILITY: Product will not biodegrade or bioaccumulate.

SECTION 13: DISPOSAL INFORMATION:

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

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.