



## MATERIAL SAFETY DATA SHEET

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### SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

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**1501 East Woodfield Road**                      **Emergency Telephone**                      **(800) 551-7176**  
**Suite 300 East**  
**Schaumburg, IL 60173**  
**(847) 969-2700**

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**Product Identifier:**                      Sodium Chloride Injection, USP  
**Chemical Name:**                      Sodium Chloride  
**Category:**                      Micronutrient

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### SECTION 2 - COMPOSITION

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<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Sodium Chloride	7647-14-5	0.9%, 14.6%, or 23.4%
Water for Injection	7732-18-5	QS

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### SECTION 3 - HAZARDS IDENTIFICATION

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**Route of Entry:**                      Inhalation, eye/skin contact, or ingestion  
**Chemical Listing as  
Carcinogen**  
**NTP:**                      No  
**IARC:**                      No  
**OSHA:**                      No  
**Note:**                      NA

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### SECTION 4 - EMERGENCY & FIRST AID MEASURES

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**Eyes:**                      Immediately flush eyes with water for at least 15 minutes. Seek medical attention.  
**Skin:**                      Remove contaminated clothing immediately. Flush area with water for at least 15 minutes. Seek medical attention.  
**Inhalation:**                      Remove from exposure. Give artificial respiration and cardiopulmonary resuscitation (CPR) as required. Seek medical attention.  
**Ingestion:**                      Flush mouth out with water immediately. Seek medical attention.  
**Contact Info:**                      For Adverse Event Information, please call (800) 551-7176 or (847) 969-2700.

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**SECTION 4 - EMERGENCY & FIRST AID MEASURES...continued**

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**Note:** NA

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**SECTION 5 - FIRE FIGHTING MEASURES**

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**Fire and Explosion Data**

**Closed Cup Flash Point:** NE

**Open Cup Flash Point:** NE

**Fire Point:** NE

**Autoignition:** NE

**Lower Explosion Limit:** NE

**Upper Explosion Limit:** NE

**General Hazard:** None

**Fire Fighting Instructions:** Water spray, dry chemical, carbon dioxide, or foam as appropriate to surroundings.

**Fire Fighting Equipment:** Wear self-containing breathing apparatus and protective clothing.

**Hazardous Combustion Products:** Smoke and toxic fumes of Cl<sup>-</sup>

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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**Clean-Up:** Wear recommended personal protective equipment (See Section 8 - Exposure Controls/Personal Protection). Use absorbent towels or brooms to clean-up spill. Wipe surface area clean with soap and water.

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**SECTION 7 - HANDLING AND STORAGE**

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**General Handling:** When handling pharmaceutical products, avoid all contact and inhalation of dust, fumes, mist, and/or vapors associated with the product.

**Storage Conditions:** Store at controlled room temperature 15°-30°C (59°-86°F). Do not permit to freeze.

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Engineering Controls:** General room ventilation is satisfactory. Use local exhaust ventilation if necessary.

**Personal Protective Equipment**

**Eye Protection:** Safety glasses or goggles recommended.

**Hand Protection:** Disposable latex gloves recommended.

**Respiratory Protection:** With satisfactory ventilation, respiratory protection is usually not required.

**Skin Protection:** Disposable garments if direct skin contact is anticipated.

**Exposure Limits:**

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Sodium Chloride	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE
Water for Injection	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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**Physical Form/  
Appearance:** Clear, colorless, odorless solution

**Boiling Point/Boiling  
Range:** NE

**Melting Point/Melting  
Range:** NE

**Freezing Point:** NE

**Vapor Pressure :** NE

**Relative Vapor Density:** NE

**Percent Volatiles:** NE

**pH:** 4.5 - 7.0

**Molecular Weight:** 58.44

**Solvent Solubility:** Freely soluble in water.

**Note:** NA

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**SECTION 10 - STABILITY AND REACTIVITY**

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<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Excessive heat may cause decomposition
<b>Hazardous Polymerization:</b>	Will not occur

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**SECTION 11 - TOXICOLOGY INFORMATION**

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<b>Signs &amp; Symptoms of Exposure &amp; Overexposure:</b>	This product is intended for therapeutic use only when prescribed by a physician. Potential adverse reactions from prescribed doses and overdoses are described in the package insert. Adverse reactions from prescribed doses include: febrile response, local tenderness, abscess, tissue necrosis, infection at injection site, venous thrombosis, phlebitis extending from the site of injection, and extravasation. Occupational exposure has not been fully investigated.
<b>Medical Conditions Aggravated by Accidental Exposure:</b>	Individuals with hypernatremia or fluid retention.
<b>Other:</b>	IMMEDIATE EFFECTS: Eye, skin, and respiratory irritation may occur.  DELAYED EFFECTS: None known.

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**SECTION 12 - TRANSPORTATION INFORMATION**

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<b>UN/NA Number:</b>	NA
<b>U.S. DOT Hazard Class:</b>	NA
<b>Proper Shipping Name:</b>	NA
<b>Shipping Label:</b>	NA

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**SECTION 13 - DISPOSAL INFORMATION**

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<b>Disposal Procedure :</b>	Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state, and local regulations.
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**SECTION 14 - OTHER**

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**Key to Abbreviations:** ACGIH - American Conference of Governmental Industrial Hygienists  
HEPA - High Efficiency Particulate Air  
IARC - International Agency for Research on Cancer  
NA - Not Applicable  
NE - Not Established  
NG - Not Given  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OEL - Occupational Exposure Limit  
OSHA - Occupational Safety and Health Administration  
PEL - Permissible Exposure Limit  
PPM - Parts Per Million  
QS - Quantity Sufficient  
RCRA - Resource Conservation and Recovery Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
USP - United States Pharmacopeia

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