

**SODIUM CHLORIDE- sodium chloride injection**  
**Hikma Pharmaceuticals USA Inc.**

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**Sodium Chloride Injection USP, 0.9%**

**Rx only**

**DESCRIPTION**

This preparation is designed solely for parenteral use only after addition of drugs that require dilution or must be dissolved in an aqueous vehicle prior to injection.

Sodium Chloride Injection USP, 0.9% is a sterile, nonpyrogenic, isotonic solution of sodium chloride and water for injection. Each mL contains sodium chloride 9 mg. It contains no bacteriostat, antimicrobial agent or added buffer and is supplied only in single-dose containers to dilute or dissolve drugs for injection. Its chloride and sodium ion concentrations are approximately 0.154 mEq of each per milliliter and its calculated osmolality is 0.308 milliosmols per mL. The solution may contain hydrochloric acid and/or sodium hydroxide for pH adjustment, pH 5.3 (4.5 to 7.0).

Sodium chloride, USP occurs as colorless cubic crystals or white crystalline powder and has a saline taste. Sodium chloride is freely soluble in water. The empirical formula for sodium chloride is NaCl, and the molecular weight is 58.44.

**CLINICAL PHARMACOLOGY**

Sodium chloride in water dissociates to provide sodium ( $\text{Na}^+$ ) and chloride ( $\text{Cl}^-$ ) ions. These ions are normal constituents of the body fluids (principally extracellular) and are essential for maintaining electrolyte balance.

The distribution and excretion of sodium ( $\text{Na}^+$ ) and chloride ( $\text{Cl}^-$ ) are largely under the control of the kidney which maintains a balance between intake and output. The small volume of fluid and amount of sodium chloride provided by Sodium Chloride Injection USP, 0.9% when used only as an isotonic vehicle for parenteral injection of drugs, is unlikely to exert a significant effect on fluid and electrolyte balance except possibly in neonates and very small infants.

Water is an essential constituent of all body tissues and accounts for approximately 70% of total body weight. Average normal adult daily requirement ranges from two to three liters (1.0 to 1.5 liters each for insensible water loss by perspiration and urine production).

Water balance is maintained by various regulatory mechanisms. Water distribution depends primarily on the concentration of electrolytes in the body compartments and sodium ( $\text{Na}^+$ ) plays a major role in maintaining physiologic equilibrium.

**INDICATIONS AND USAGE**

This parenteral preparation indicated only for diluting or dissolving drugs for

intravenous, intramuscular or subcutaneous injection, according to instructions of the manufacturer of the drug to be administered.

## **PRECAUTIONS**

### **General**

Consult the manufacturer's instructions for choice of vehicle, appropriate dilution or volume for dissolving the drugs to be injected, including the route and rate of injection.

Inspect reconstituted (diluted or dissolved) drugs for clarity (if soluble) and freedom from unexpected precipitation or discoloration prior to administration.

### **Pregnancy**

Pregnancy Category C

Animal reproduction studies have not been conducted with Sodium Chloride Injection USP, 0.9%. It is also not known whether sodium chloride injection containing additives can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Sodium chloride injection containing additives should be given to a pregnant woman only if clearly needed.

### **Pediatric Use**

The safety and effectiveness in the pediatric population are based on the similarity of the clinical conditions of the pediatric and adult populations. In neonates or very small infants the volume of fluid may affect fluid and electrolyte balance.

### **Drug Interactions**

Some drugs for injection may be incompatible in a given vehicle, or when combined in the same vehicle or in a vehicle containing benzyl alcohol.

Consult with pharmacist, if available. Use aseptic technique for entry and withdrawal from all containers.

When diluting or dissolving drugs, mix thoroughly and use promptly.

Do not store reconstituted solutions of drugs for injection unless otherwise directed by the manufacturer of the solute.

Do not use unless the solution is clear and seal intact. Do not reuse single dose containers, discard unused portion.

## **ADVERSE REACTIONS**

Reactions which may occur because of this solution, added drugs or the technique of reconstitution or administration include febrile response, local tenderness, abscess, tissue necrosis or infection at the site of injection, venous thrombosis or phlebitis extending from the site of injection and extravasation.

If an adverse reaction does occur, discontinue the infusion, evaluate the patient,

institute appropriate countermeasures, and if possible, retrieve and save the remainder of the unused vehicle for examination.

## **OVERDOSAGE**

Use only as a diluent or solvent. This parenteral preparation is unlikely to pose a threat of carbohydrate, sodium chloride or fluid overload except possibly in neonates or very small infants. In the event these should occur, re-evaluate the patient and institute appropriate corrective measures. See **PRECAUTIONS** and **ADVERSE REACTIONS**.

## **DOSAGE AND ADMINISTRATION**

The volume of the preparation to be used for diluting or dissolving any drug for injection, is dependent on the vehicle concentration, dose and route of administration as recommended by the manufacturer.

**This parenteral should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit.**

## **HOW SUPPLIED**

Sodium Chloride Injection USP, 0.9% is supplied in the following:

2 mL vials packaged in carton of 25 vials (NDC 0641-0497-25)

10 mL vials packaged in carton of 25 vials (NDC 0641-6144-25)

## **Storage**

**Store at 20° - 25°C (68°-77°F), excursions permitted to 15° - 30°C (59° - 86°F) [See USP Controlled Room Temperature]. Avoid freezing.**

To report SUSPECTED ADVERSE REACTIONS, contact Hikma Pharmaceuticals USA Inc. at 1-877-845-0689, or the FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).

For Product Inquiry call 1-877-845-0689.

## **Manufactured by:**

Hikma Pharmaceuticals USA Inc.

Berkeley Heights, NJ 07922

Revised August 2020

462-679-0

## **PRINCIPAL DISPLAY PANEL**

NDC 0641-**0497**-17 Rx only

**Sodium Chloride Injection USP, 0.9%**

**0.308 mOsmol/mL**  
**Preservative Free**  
**For use as a sterile diluent**  
2 mL Single Dose Vial

NDC 0641-**0497**-17 Rx only

**Sodium Chloride Injection USP, 0.9 %**

**0.308 mOsmol/mL**

**Preservative Free**

**For use as a sterile diluent**

2 mL Single Dose Vial

Mfd. by Hikma  
Berkeley Heights, NJ 07922

462-577-01

(01)00306410497172

Lot: 

Exp.: 

NDC 0641-**0497**-25 Rx only  
**Sodium Chloride Injection USP, 0.9%**  
**0.308 mOsmol/mL**  
**Preservative Free**  
**For use as a sterile diluent**  
25 x 2 mL Single Dose Vials

LOT

EXP.

To open – cut seal along dotted line.

NDC 0641-**0497**-25 Rx only

**Sodium Chloride Injection USP, 0.9%**

**0.308 mOsmol/mL**

**Preservative Free**

**For use as a sterile diluent**

25 x 2 mL Single Dose Vials

Each mL contains sodium chloride 9 mg in Water for Injection; pH 4.5-7.0, may contain hydrochloric acid and/or sodium hydroxide for pH adjustment. Sterile, nonpyrogenic. Discard unused portion. For additional information, see package insert.

Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature]. 462-578-01

Manufactured by Hikma  
Berkeley Heights, NJ 07922

**hikma.**

(01)00306410497257

## PRINCIPAL DISPLAY PANEL

NDC 0641-6144-01

**Rx only**

**Sodium Chloride**

**Injection USP, 0.9%**

**0.308 mOsmol/mL**

**PRESERVATIVE-FREE**

**For use as a sterile diluent**

10 mL Single Dose Vial

Each mL contains sodium chloride 9 mg in Water for Injection; pH 4.5-7.0, may contain hydrochloric acid and/or sodium hydroxide for pH adjustment.

Sterile, nonpyrogenic.

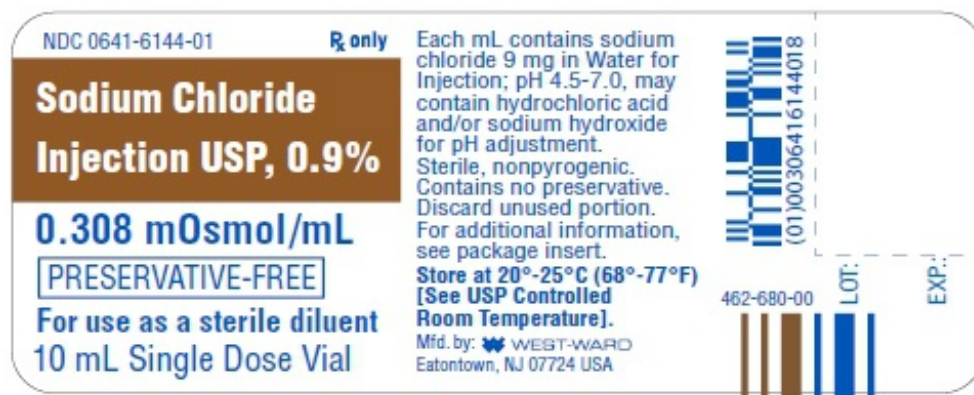
Contains no preservative.

Discard unused portion.

For additional information, see package insert.

**Store at 20°-25°C (68°-77°F)**

**[See USP Controlled Room Temperature].**



NDC 0641-6144-25

**Rx only**

**Sodium Chloride**

**Injection USP, 0.9%**

**0.308 mOsmol/mL**

**PRESERVATIVE-FREE**

**For use as a sterile diluent**

25 x 10 mL Single Dose Vials

Each mL contains sodium chloride 9 mg in Water for Injection; pH 4.5-7.0, may contain hydrochloric acid and/or sodium hydroxide for pH adjustment.

Sterile, nonpyrogenic.

Contains no preservative. Discard unused portion.

For additional information, see package insert.

**Store at 20°-25°C (68°-77°F) [See USP Controlled Room Temperature].**

EXP:    LOT:    NDC 0641-6144-25    Rx only

**Sodium Chloride Injection USP, 0.9 %**

**0.308 mOsmol/mL**

PRESERVATIVE-FREE

For use as a sterile diluent

25 x 10 mL Single Dose Vials

Each mL contains sodium chloride 9 mg in Water for Injection; pH 4.5-7.0, may contain hydrochloric acid and/or sodium hydroxide for pH adjustment.

Sterile, nonpyrogenic.

Contains no preservative. Discard unused portion.

For additional information, see package insert.

**Store at 20°-25°C (68°-77°F) [See USP Controlled Room Temperature].**

Mfd. by: WEST-WARD, Eatontown, NJ 07724 USA

462-681-00

(01)0330416144-25-4

## SODIUM CHLORIDE

sodium chloride injection

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0641-0497
<b>Route of Administration</b>	INTRAMUSCULAR, INTRAVENOUS, SUBCUTANEOUS		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X) (SODIUM CATION - UNII:LYR4M0NH37, CHLORIDE ION - UNII:Q32ZN48698)	SODIUM CHLORIDE	9 mg in 1 mL

### Inactive Ingredients

Ingredient Name	Strength
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	
<b>HYDROCHLORIC ACID</b> (UNII: QTT17582CB)	
<b>WATER</b> (UNII: 059QF0KO0R)	

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0641-0497-25	25 in 1 CARTON	09/24/2013	
1	NDC:0641-0497-17	2 mL in 1 VIAL; Type 0: Not a Combination Product		

### Marketing Information

Marketing	Application Number or Monograph	Marketing Start	Marketing End
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Category	Citation	Date	Date
ANDA	ANDA201833	09/24/2013	

## SODIUM CHLORIDE

sodium chloride injection

### Product Information

**Product Type**

HUMAN PRESCRIPTION DRUG

**Item Code  
(Source)**

NDC:0641-6144

**Route of Administration**

INTRAMUSCULAR, INTRAVENOUS,  
SUBCUTANEOUS

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X) (SODIUM CATION - UNII:LYR4M0NH37, CHLORIDE ION - UNII:Q32ZN48698)	SODIUM CHLORIDE	9 mg in 1 mL

### Inactive Ingredients

Ingredient Name	Strength
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	
<b>HYDROCHLORIC ACID</b> (UNII: QTT17582CB)	
<b>WATER</b> (UNII: 059QF0KO0R)	

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0641-6144-25	25 in 1 CARTON	09/24/2013	
1	NDC:0641-6144-01	10 mL in 1 VIAL; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA201833	09/24/2013	

**Labeler** - Hikma Pharmaceuticals USA Inc. (946499746)

### Establishment

Name	Address	ID/FEI	Business Operations

Hikma Pharmaceuticals USA Inc.		946499746	analysis(0641-0497, 0641-6144) , label(0641-0497, 0641-6144) , manufacture(0641-0497, 0641-6144) , pack(0641-0497, 0641-6144)
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Revised: 4/2024

Hikma Pharmaceuticals USA Inc.