

**ORANGE COUNTY EMS AGENCY  
PARAMEDIC PHARMACOLOGY HANDBOOK**

<b>MEDICATION:</b> SODIUM CHLORIDE 0.9% (Normal Saline)	<b>ADULT DOSE</b>	<b>PEDIATRIC DOSE</b>	<b>SIDE EFFECTS</b>	<b>PRECAUTIONS/COMMENTS</b>
<p><b>CLASSIFICATION:</b> Parenteral water and sodium chloride supplement</p> <p><b>MECHANISM OF ACTION:</b></p> <ul style="list-style-type: none"> <li>• Isotonic solution of sodium chloride in water.</li> </ul> <p><b>INDICATIONS:</b></p> <ul style="list-style-type: none"> <li>• Volume expansion.</li> <li>• Diluting/dissolving drugs.</li> <li>• Flushing IV catheters.</li> <li>• Nebulized saline for croup.</li> </ul> <p><b>DOSAGE FORMS:</b></p> <ul style="list-style-type: none"> <li>• 250 mL bags for IV infusion</li> <li>• 1000 mL bags for IV infusion</li> <li>• 10 mL prefilled syringe or vial</li> </ul>	<ul style="list-style-type: none"> <li>• Titrate to perfusion, maximum 2 liters prior to BH contact.</li> </ul>	<ul style="list-style-type: none"> <li>• Titrate to perfusion, maximum 20 mL/kg, repeated once prior to BH contact.</li> <li>• May use nebulized saline for croup.</li> </ul>	<ul style="list-style-type: none"> <li>• Hypernatremia</li> <li>• Volume overload</li> </ul>	<ul style="list-style-type: none"> <li>• Use with caution in patients with renal impairment to avoid volume overload.</li> <li>• Use with caution in patients with congestive heart failure or liver disease.</li> <li>• Bacteriostatic sodium chloride injection should be avoided in neonates.</li> </ul>