



**REGION 11
CHICAGO EMS SYSTEM
MEDICATION TABLE**

Medication Name: Sodium Bicarbonate 8.4%

Approved: EMS Medical Directors Consortium

Effective: August 1, 2022

GENERIC NAME	Sodium Bicarbonate 8.4%
TRADE NAME	N/A
CLASSIFICATION	Electrolyte replacement, alkalinizing agent
DOSAGE FORMS	50 mEq/50 ml, injection, prefilled syringe
ACTION(S)	<ul style="list-style-type: none"> • Buffers acidosis in chronic renal failure/dialysis patients who are unstable or in cardiac arrest • Shifts potassium into cells • Slows uptake of cyclic antidepressants.
INDICATIONS	<ul style="list-style-type: none"> • Cardiac arrest or wide complex tachycardia with pulse AND suspected hyperkalemia • Consider with wide complex tachycardia or cardiac arrest secondary to suspected tricyclic antidepressant overdose. • Adult crush injuries with victim still entrapped
CONTRAINDICATIONS	None for indications as listed
ADULT DOSE / ROUTE	<ul style="list-style-type: none"> • Adults - Cardiac Arrest/Wide Complex Tachycardia: Sodium Bicarbonate 8.4% 50 mEq/50 mL injection of prefilled syringe IV/IO • Adultsd - Crush injury with victim still entrapped: Sodium bicarbonate 8.4% 1 mEq/kg (maximum dose of 50 mEq) IV/IO
PEDIATRIC DOSE / ROUTE	Call OLMC
SIDE EFFECTS	Minimal when used as indicated.