



# Sodium Bicarbonate

- CLASS:** Alkalinizing agent
- ACTIONS:** Combines with excessive acid to form a weak volatile acid  
Increases pH
- INDICATIONS:** Crush Injuries  
Adult Cardiac Arrest Shockable  
Adult Cardiac Arrest Non-Shockable

**CONTRAINDICATIONS:** None when used in the emergency setting

**PRECAUTIONS:** Can deactivate catecholamines  
Can precipitate with calcium

**SIDE EFFECTS:** Alkalosis

**ADULT DOSAGE: Adult Cardiac Arrest Non-Shockable:**

Administer *Sodium Bicarbonate 1 mEq/kg IV/IO* and repeat in 10 minutes if no change and medications are available.

**Adult Cardiac Arrest Shockable:**

For arrest in **renal dialysis patients only** administer *Sodium Bicarbonate 1 mEq/kg IV/IO* and repeat in 10 minutes if no change and medications are available.

**Crush Injuries:**

If patient has any of the following ECG changes: Peaked T waves, Wide QRS complex, Short QT interval, Absent P waves, administer *Sodium Bicarbonate 1 mEq/kg IV/IO* and repeat in 10 minutes if no change and medications are available.