SODIUM BICARBONATE

Indications:

- Metabolic Acidosis
- Hyperkalemia
- Tricyclic or Phenobarbital Overdose
- Crush Syndrome

Contraindications:

- Alkalosis

Side Effects:

- Alkalosis
- Hyperirritability
- Seizures
- Tetany (electrolyte imbalance)
- Cardiac & respiratory arrest
- Lowering of serum potassium,
- Decreased fibrillation threshold.

Class: Alkalinizing Agent

Mechanism of Action: In the presence of hydrogen ions, sodium bicarbonate dissociates to sodium and carbonic acid, the carbonic acid picks up a hydrogen ion changing to bicarbonate and then dissociates into water and CO2, functioning as an effective buffer and alkalinizing the blood. In summary, increases plasma bicarbonate, which can buffer metabolic acids and move TCAs and phenobarbital off receptor sites and back into circulation.

Concentration: 50.0 mEq/50.0ml

Dosage:

Adult:

- **Dialysis and Hyperkalemia**
  50.0 mEq IV/IO

Pediatric: Contact Medical Control