

SODIUM BICARBONATE

PHARMACOLOGY & MECHANISM OF ACTIONS:

- ❑ Alkalinizer
- ❑ Provides bicarbonate to buffer metabolic or respiratory acidosis, which can accompany several types of disease processes.
- ❑ Binds up free tricyclics in the blood to reduce the toxic effects in tricyclic overdoses
- ❑ Neutralizes acids found in blood

INDICATIONS:

- ❑ Dialysis emergencies
- ❑ Major crush injuries: >2 hrs prior to removing the weight.
- ❑ Tricyclic overdose with presenting dysrhythmias (QRS>.12 seconds, and/or hypotension, and/or HR >120)
- ❑ Cyanide poisoning with suspected acidosis

CONTRAINDICATIONS:

- ❑ As an antidote following ingestion of strong mineral acids
- ❑ Metabolic or respiratory alkalosis

ADMINISTRATION:

| | ADULT | | PEDIATRIC |
|-----------|---|-----------|--|
| PARAMEDIC | <p><i>TRICYCLIC OVERDOSS:</i></p> <ul style="list-style-type: none"> ❑ 1 mEq/kg IV/IO <p><i>CYANIDE POISONING - OLMC:</i></p> <ul style="list-style-type: none"> ❑ 50 mEq IV/IO <p><i>SEVERE CRUSH INJURY</i></p> <ul style="list-style-type: none"> ❑ 1 mEq/kg IV/IO ❑ Consider repeat doses if significant EKG changes <p><i>DIALYSIS EMERGENCIES</i></p> <ul style="list-style-type: none"> ❑ 50 mEq IV/IO over 2 minutes ❑ Contact OLMC for repeat dose | PARAMEDIC | <p><i>TRICYCLIC OVERDOSE</i></p> <ul style="list-style-type: none"> ❑ 1 mEq/kg IV/IO <p><i>CYANIDE POISONING - OLMC:</i></p> <ul style="list-style-type: none"> ❑ 50 mEq IV/IO <p><i>SEVERE CRUSH INJURY</i></p> <ul style="list-style-type: none"> ❑ 1 mEq/kg IV/IO <p><i>DIALYSIS EMERGENCIES</i></p> <ul style="list-style-type: none"> ❑ 50 mEq IV/IO over 2 minutes ❑ Contact OLMC for repeat dose |

PRECAUTIONS & SIDE EFFECTS:

- ❑ Alkalosis

SPECIAL NOTES:

- ❑ Pregnancy Category D.