

SODIUM THIOSULFATE

ACTIONS: Cyanide Antidote

- Enhances the action of the naturally occurring enzyme rhodanese.
- Rhodanese converts cyanide to thiocyanate, which is less toxic than cyanide and is excreted by the kidneys.

INDICATIONS

- Symptomatic cyanide exposure, known or suspected.

CONTRAINDICATIONS

- None.

ADULT DOSE/ROUTE:

⇒ 12.5 grams (50 ml of 25% solution) IV.

PEDIATRIC DOSE/ROUTE:

⇒ 1.65 ml/kg (25% solution (412.5mg/kg) IV.

NOTES

- Sodium Thiosulfate has limited toxicity and may be used when cyanide exposure is suspected, but not confirmed.
- Sodium Thiosulfate is not routinely stocked on the ambulances, but is available in a pharmaceutical disaster cache called, "CHEMPACK."