


Section: Drug Reference
Subject: SODIUM THIOSULFATE
Section #: 348.36
Issue Date: March 21, 2011
Revision Date:
Approved By: 

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Sodium Thiosulfate

1. CLASSIFICATION
 - a. Crystalline Compound ($\text{Na}_2\text{S}_2\text{O}_3$)
2. ACTIONS / DESCRIPTIONS
 - a. Converts cyanide to the less toxic thiocyanate (SCN), also known as rhodanide
 - b. The thiocyanate is then excreted in the urine
3. INDICATIONS
 - a. Cyanide poisoning
4. CONTRAINDICATIONS
 - a. None when used in the treatment of cyanide poisoning
5. PRECAUTIONS
 - a. Is most effective as a cyanide antidote when used in conjunction with nitrites
6. ADVERSE REACTIONS
 - a. Nausea
 - b. Vomiting
 - c. Joint aches
7. DOSAGE
 - a. 12.5 gm slow IV
 - b. Maybe repeated at 6.25 gm ($\frac{1}{2}$ dose) slow IV after 30 minutes if signs and symptoms have not improved.
8. DRUG ACTION TIME
 - a. ONSET: 2 – 5 MINUTES
9. INFORMATIONAL/DISCUSSION POINTS
 - a. Do not give if elevated CO level in the blood that has not been corrected.