

**VANCOUVER GENERAL HOSPITAL  
CSU PHARMACEUTICAL SCIENCES  
NON-FORMULARY DRUG DATA SHEET**

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**Drug Name**

Sodium thiosulphate

**Alternate Name**

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**Strength**

25% (2.5 g/10 mL)

**Dosage Form**

IV injection

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**Indications**

- calciphylaxis (calcific uremic arteriolopathy)
  - o vasculopathy characterized by extraosseous calcification of soft tissue
  - o mainly affects patients with end-stage renal disease
  - o due to accumulation of uremic toxins causing nodular subcutaneous calcification in various body tissues, leading to ulceration and infection)

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**Reconstitution and Stability**

- stable at room temperature
- diluted solutions in NS or D5W stable x 24 hours at room temperature
- to prepare 12.5 g dose – add 5 x 10 mL sodium thiosulphate into an empty Viaflex bag or into a 100 mL NS or D5W minibag (may remove 50mL from minibag)

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**Compatibility**

- compatible with NS and D5W
- incompatible with other drugs

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**Administration**

- IV intermittent - over 30-60 minutes post dialysis

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**Dosage**

- 12.5-25g IV 3 times weekly post-dialysis
- duration varies from 6 weeks to 34 months (typically 2-3 months)

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**Side Effects**

- nausea, vomiting
- anion gap metabolic acidosis due to unmeasured anion (thiosulfuric acid)
- electrolyte disturbances (electrolytes, Ca, PO<sub>4</sub> should be monitored closely)

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