

Sodium Thiosulfate

Be aware of 2 different concentrations available e.g. 25g 50% w/v = 50mL 25g 25% w/v = 100mL	
Form	<ul style="list-style-type: none"> 10g in 20mL (500mg/mL) 50% w/v 5g in 10mL (500mg/mL) 50% w/v 12.5g in 50mL (250mg/mL) 25% w/v
Reconstitution	Already in solution
Compatibility & Stability	Sodium chloride 0.9% Glucose 5%
Administration	Slow IV injection – Cyanide poisoning <ul style="list-style-type: none"> May be administered undiluted over 10 minutes Administer via a large peripheral vein or a central line Refer to TOXBASE for dose in cyanide poisoning
	IV Infusion (unlicensed) – Calciphylaxis¹ <ul style="list-style-type: none"> Administer over 30 to 60 minutes In patients who experience gastrointestinal side effects, the duration of infusion can be increased by an additional 30 to 60 minutes. If on haemodialysis, administer during the last hour of, or after the haemodialysis session
Extravasation	Sodium thiosulfate has a high osmolarity and may cause venous irritation and tissue damage in cases of extravasation. If a central venous access device is unavailable, administer via a large peripheral vein monitoring insertion site closely. Re-site cannula at first signs of inflammation.
Monitoring	Monitor for injection site irritation, blood pressure, oxygen saturations.
Adverse effects	<ul style="list-style-type: none"> pain at injection site hypernatraemia headache, disorientation hypotension nausea, vomiting, diarrhoea diuresis salty taste in the mouth warm sensation over the body metabolic acidosis

This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542

Additional Information	<p>Sodium thiosulfate (HOPE 250mg in 1mL ampoules) contains approximately potassium 0.06mmol in 1mL. This may exceed the usual potassium administration rates, especially if given peripherally.</p> <ol style="list-style-type: none"> 1. Calciphylaxis Beaumont Hospital, Dublin 2. Calciphylaxis (calcific uremic arteriolopathy) - UpToDate

Information provided relates to Sodium Thiosulphate (Cangene Biopharma, Martindale Pharma, HOPE Pharmaceuticals)

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