

Sodium Bicarbonate

CAUTION: High Administration Risk Rating		
Form & Storage	8.4% w/v Sodium Bicarbonate in 100mL bottle containing 1mmol/mL sodium bicarbonate.	Do not store above 25°C
Reconstitution	Already in solution Do not use if the solution is unclear or contains precipitate. May dilute further prior to administration.	
Compatibility & Stability	Sodium chloride 0.9% Glucose 5%	
Administration	IV bolus	
	Emergency use only. May be given undiluted over at least 3 minutes. Immediately follow by sodium chloride 0.9% flush. Doses may be given at 10 mins intervals	
	Intermittent or continuous IV infusion	
	Peripheral Dilute to a concentration of 1.26% w/v or less. - Remove 75mL from a 500mL bag of fluid, add 75mL of sodium bicarbonate 8.4% to the remaining 425mL in bag. Mix well by inverting bag several times - Max infusion rate 10mL/kg/hour of a 1.26% solution (equivalent to 1.5mmol/kg/hour)	
	Central Concentrations greater than 1.4% w/v should be given via central line. Max infusion 1.5mmol/kg/hour	
Monitoring	Patient monitoring should include regular checks of acid-base balance, serum electrolyte concentrations and fluid balance.	
Extravasation	Extravasation of higher strength solutions (more than 1.4% w/v) is likely to cause tissue damage, due to high osmolarity.	
Additional Information	Hypokalaemia or hypocalcaemia should be corrected before beginning alkalinising therapy. Dilution of the 8.4% sodium bicarbonate solution is unlicensed	

Information provided relates to 8.4% w/v Sodium Bicarbonate Intravenous Infusion (B Braun) last updated 8/5/26

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