

SODIUM CHLORIDE 20% AND 23.4%

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| BRAND NAME | SODIUM CHLORIDE 20%; SODIUM CHLORIDE 23.4% |
| DRUG CLASS | Electrolyte |
| AVAILABILITY | Vial contains 2 g/10 mL (20% solution) or 2.34 g/10 mL (23.4% solution) of sodium chloride. ¹ The solution is clear and colourless. Each 1 mL of the 20% solution contains 3.4 mmol of sodium and 3.4 mmol of chloride ¹ Each 1 mL of the 23.4% solution contains 4 mmol of sodium and 4 mmol of chloride. ¹ |
| WARNING | Sodium chloride 20% and sodium chloride 23.4% are hypertonic. Check product selection carefully; there are other hypertonic formulations available including 3% and 7.5% pre-mixed infusion bags. |
| pH | 4.5–7 ¹ |
| PREPARATION | Usually diluted before use. ¹ Mix thoroughly. |
| STABILITY | Sodium chloride 20% vial: store below 25 °C. ¹ Sodium chloride 23.4% vial: store below 30 °C. ¹ Diluted solution: use within 4 hours. ¹ |
| ADMINISTRATION | |
| IM injection | Contraindicated ¹ |
| SUBCUT injection | Contraindicated ¹ |
| IV injection | For use in intensive care settings in the treatment of traumatic brain injury, a central line is required. Give 30–60 mL undiluted over 2 to 20 minutes into a central line. ² The undiluted solution must not be given into a peripheral vein as it causes sclerosis. |
| IV infusion | Dilute with a compatible fluid or add to parenteral nutrition solution. Solutions that are sufficiently diluted may be given into a peripheral line. Check your local guidelines. |
| COMPATIBILITY | |
| Fluids | Glucose 5% ¹ |
| Y-site | No information |
| INCOMPATIBILITY | |
| Fluids | No information |
| Drugs | No information |
| SPECIAL NOTES | The injection can be filtered and given orally (mixed with feeds) for electrolyte replacement in neonates. |

REFERENCES

1. Product information. Available from www.tga.gov.au. Accessed 14/07/2020.
2. Fink ME. Osmotherapy for intracranial hypertension: mannitol versus hypertonic saline. Continuum (Minneapolis Minn) 2012;18: 640-54.