

## Magnesium Sulphate – ITU

Magnesium sulphate dosing may be weight based; ensure accuracy of documented weight before administration	
<b>CAUTION: High Administration Risk Rating</b>	
<b>Form</b>	1g (4mmol) per 2mL ampoule (50% w/v) equivalent to 2mmol Magnesium per 1mL
<b>Reconstitution</b>	Already in solution <b>MUST be further diluted before administration.</b>
<b>Compatibility &amp; Stability</b>	Sodium Chloride 0.9% Glucose 5%
<b>Administration</b>	<b><u>IV Infusion (central)</u></b> Dilute 20mmol (10ml) in 100ml maintenance fluid, and administer over one hour.
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>• Monitor BP, respiratory rate and urinary output.</li> <li>• Use lowest possible rate to avoid bradycardia, flushing and hypotension. Rapid infusion may precipitate hypotension. Monitor for signs of overdose- loss of patellar reflexes, weakness, nausea, sensation of warmth, flushing, drowsiness, double vision, and slurred speech.</li> </ul>
<b>Extravasation</b>	Extravasation is likely to cause tissue damage due to high osmolarity.
<b>Additional Information</b>	<div style="border: 1px solid blue; padding: 5px; margin-bottom: 5px; text-align: center;"> <b>For obstetric patients refer to CUMH guidelines or the Pharmacy Department</b> </div> <ul style="list-style-type: none"> <li>• 1 mmol = 2 mEq = 24 mg of elemental magnesium = 240 mg magnesium sulfate</li> </ul>

**Information provided relates to Magnesium Sulphate manufactured by Aurum Pharmaceuticals and Ethypharm.**

*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 22142 or 22546.*

*Owner Denise Leamy, Miriam Flynn Pharmacy Department CUH, Version 1 Updated May 2022.*