

## ADMINISTRATION OF ETHANOL FOR ETHYLENE GLYCOL OR METHANOL TOXICITY

### Loading dose:

Give an oral loading dose equivalent to 800mg/kg absolute (100%) ethanol

	<b>Absolute alcohol (100% ethanol)</b>	<b>Volume 40% v/v ethanol orally</b> <small>(Vodka only to be used if 100% ethanol unavailable)</small>	<b>*Volume 10% v/v ethanol IV only</b>
Loading dose over 30 minutes	800mg/kg (0.8ml/kg)	2.5ml/kg	10ml/kg

### *\* Preparing 10% ethanol from 100% ethanol –*

From a 1000ml bag of dextrose 5%, withdraw 100ml & discard. Draw up 100ml of 100% ethanol & add to the remaining 900ml of dextrose 5%. Ensure the bag is thoroughly mixed before use

**100% ethanol should NOT be used for parenteral administration unless appropriately diluted in dextrose 5%.**

Ethanol 10% solutions are hyperosmolar and irritant to the veins & are best given via a central venous catheter.

### Maintenance dose:

	<b>Absolute alcohol (100% ethanol)</b>	<b>Volume 40% v/v ethanol orally</b>	<b>*Volume 10% v/v ethanol IV only</b>
<b>Standard maintenance dose (non drinker / child)</b>	80mg/kg/hour (0.08ml/kg/hour)	0.25ml/kg/hour	1ml/kg/hour
<b>Standard maintenance dose (average adult)</b>	120mg/kg/hour (0.12ml/kg/hour)	0.375ml/kg/hour	1.5ml/kg/hour
<b>Standard maintenance dose (drinker)</b>	185mg/kg/hour (0.185ml/kg/hour)	0.58ml/kg/hour	2.3ml/kg/hour
<b>Maintenance dose during dialysis (non drinker / child)</b>	200mg/kg/hour (0.2ml/kg/hour)	0.62ml/kg/hour	2.5ml/kg/hour
<b>Maintenance dose during dialysis (average adult)</b>	240mg/kg/hour (0.24ml/kg/hour)	0.75ml/kg/hour	3ml/kg/hour
<b>Maintenance dose during dialysis (drinker)</b>	320mg/kg/hour (0.32ml/kg/hour)	1ml/kg/hour	4ml/kg/hour

**Reference:** [www.toxbase.org](http://www.toxbase.org) accessed 12/03/2015

*These monographs should be used in conjunction with the drug data sheet and current BNF.*

*For further information contact Pharmacy Department on 22542 or 22146.*

*Pharmacy Department, December 2010, Amended March 2013.*

*Combined CUH Wards & HDU IV Guidelines and Paediatric Antimicrobial Guidelines developed for ED, CUH,  
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