

Miconazole

Trade Name	Miconazole
Class	Topical Antifungal
Mechanism of Action	Inhibits sterols in the fungal cell membrane, changing cell wall permeability and causing leakage of cell contents.
Indications	Treatment of cutaneous candida infection
Contraindications / Cautions	History of allergy to other components in the dose form. (eg: skin rash following exposure to the cream base). Avoid contact with eyes and mucous membranes.
Supplied As	Cream: 2% 15g tube
Dilution	Not applicable
Dosage	Apply sparingly to affected area
Interval	Twice a day and continue for 10 days after symptoms subside
Administration	Topical
Compatible With	No information available
Incompatible With	No known interactions with other topical preparations
Interactions	Topical miconazole can potentially be absorbed through skin, consider the rare but potential risk for interactions with other medicines that are metabolised by CYP 3A4 or 2C19 eg. calcium channel blockers, phenytoin, sildenafil, warfarin.
Monitoring	N/A
Stability	Manufacturer's expiry. Use a separate tube for each individual baby and discard opened tube once course is complete.
Storage	Room temperature below 25°C
Adverse Reactions	Rash, local irritation, burning
Metabolism	Metabolised in the liver, eliminated 50% in faeces, <1% unchanged parent drug in urine
Comments	This product replaces nystatin cream which has now been discontinued.

References	<ol style="list-style-type: none">1. www.nzf.org.nz2. Taketomo CK et al Paediatric and Neonatal Dosage Handbook. 19th Edition Lexicomp 2012.3. www.uptodate.com
Updated By	N Austin, P Schmidt, B Robertshawe November 2005 A Lynn, B Robertshawe June 2007 A Lynn, B Robertshawe, N Austin September 2007, March 2011 A Lynn, B Robertshawe Dec 2012 (re-order profile) M Wallenstein A Lynn, B Robertshawe July 2020 (Nystatin cream discontinued)