

# Dermoban®

Mupirocin

## Description

Mupirocin (**Dermoban®**) is a topical antibacterial agent, active against those organisms responsible for the majority of skin infections, e.g. *Staphylococcus aureus*, including methicillin-resistant strains, other staphylococci and streptococci. It is also active against Gram-negative organisms, such as *Escherichia coli* and *Haemophilus influenzae*.

## Mode of action

Mupirocin (**Dermoban®**) inhibits bacterial protein and RNA synthesis by inhibition of isoleucyl-transfer RNA synthetase.

## Pharmacokinetics

After topical application mupirocin is only very minimally absorbed systemically and that, which is absorbed, is rapidly metabolised to the antimicrobially inactive metabolite, monic acid. Penetration of mupirocin into the deeper epidermal and dermal layers of the skin is enhanced in traumatised skin and under occlusive dressings.

## Composition

**Dermoban® Ointment:** Each gram ointment contains Mupirocin USP 20 mg.

## Indications

Bacterial skin infections, e.g. impetigo, folliculitis and furunculosis.

## Dosage & administration

A small amount of **Dermoban®** ointment should be applied to the affected area three times daily for upto 10 days. The area treated may be covered with gauze dressing if desired.

## Contraindications

This drug is contraindicated in individuals with a history of sensitivity reactions to any of its components.

## Side effects

During clinical trials some minor adverse effects localized to the

area of application were seen, such as burning sensation, stinging and itching. Cutaneous sensitization reactions have been reported with mupirocin ointment.

## Use in pregnancy & lactation

There are no adequate and well-controlled studies in pregnant women. The drug should be used during pregnancy only if clearly needed. It is not known whether mupirocin ointment is present in breast milk. Nursing should be temporarily discontinued while using mupirocin ointment.

## Precautions

If a reaction suggesting sensitivity or chemical irritation should occur with the use of mupirocin, treatment should be discontinued and appropriate alternative therapy for the infection instituted. As with other antibacterial products, prolonged use may result in overgrowth of nonsusceptible organisms, including fungi. The mupirocin ointment is not suitable for ophthalmic use, so care should be taken during use on face.

## Drug interactions

No drug interactions have been identified.

## Overdosage

The toxicity of mupirocin is very low. In the event of overdose, symptomatic treatment should be given.

## Storage

Keep out of reach of children. Store in a dry place, below 25°C temperature and protected from light.

## Packaging

**Dermoban® Ointment:** Each carton contains a tube having 15 gm ointment.



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