

# Penrif<sup>®</sup>

Methyl salicylate BP (oil of wintergreen) and Menthol BP

## COMPOSITION

**Penrif<sup>®</sup> 15 Cream** : Each gm cream contains methyl salicylate BP (oil of wintergreen) 150 mg & menthol 100 mg.

**Penrif<sup>®</sup> 30 Cream** : Each gm cream contains methyl salicylate BP (oil of wintergreen) 300 mg & menthol 80 mg.

## PHARMACOLOGY

Methyl salicylate is used topically as a counter irritant and relieves pain by suppressing the release of prostaglandin. On topical application, it is absorbed through the skin and is applied for the relief of pain in rheumatic conditions and painful muscle or joints. It has been shown that first – pass – metabolism exists in the skin with esterases rapidly hydrolyzing salicylate esters to release the active salicylate in both the epidermis and dermis.

On topical application, menthol dilates the blood vessels causing a sensation of coldness on the skin to give a faster onset of action. Menthol functions as a penetration enhancer either due to its vasodilatation property or since menthol readily penetrates the skin, it may reversibly change barrier – structures in the stratum corneum without affecting blood circulation at the site of application.

## INDICATION

Joint pain & inflammation, muscle pain, backache, minor arthritis.

## DOSAGE AND ADMINISTRATION

It is applied to affected areas not more than 3 to 4 times daily. Applied before workouts,

Methyl salicylate plus Menthol relaxes tight muscles and increases circulation to make

Exercising more comfortable, longer.

To help reduce muscle ache and soreness after exercise, this combination can be applied and allowed to work before taking a shower.

## Warnings:

For external use only. Use only as directed. Do not use with a heating pad. Keep away from children to avoid accidental ingestion. Do not swallow. If swallowed, get medical help or contact a poison control centre immediately. Do not bandage tightly. Keep away from eyes, mucous membranes, broken or irritated skin. If skin redness or excessive irritation develops, pain lasts for more than 10 days, or with arthritis-like conditions in children under 12, do not use and call a physician.

**STORAGE CONDITION:**

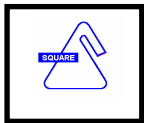
Penrif cream should be stored in a cool and dry place. Do not freeze.

**HOW SUPPLIED**

**Penrif<sup>®</sup> 15 Cream** : Each Lami tube contains 20 gm cream.

**Penrif<sup>®</sup> 30 Cream** : Each Lami tube contains 20 gm cream.

® Registered Trade Mark



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