

TOREL™

Muscle rub

Fast relief
from pain



COMPOSITION

Torel™ muscle rub: Each gm muscle rub contains l - Menthol 25.40 mg, d- camphor 14.30 mg, methyl salicylate 4.20 mg and Oleoresin capsicum 0.05 mg.

DESCRIPTION

The fresh or dried fruits of different *Capsicum species* are used medicinally. Capsicum oleoresin is prepared by extracting the crushed capsicum with volatile solvents by percolation method. Preparation made from the oleoresin in cayenne and oleoresin's isolated constituent 'Capsaicin' is used as topical analgesic in OTC (over the counter) market. The herb is indigenous to Mexico and Central America. Methyl salicylate, menthol and camphor are originally derived from plants. Methyl salicylate is derived from oil of wintergreen, menthol is derived from mint and camphor is derived from a number of plants including Peppermint, Eucalyptus and Cedar.

PHARMACOLOGY

Capsicum species are known to be very strong local stimulants in the circulatory system. Its reduction of thromboxane B2 formation and erythrocyte hemolysis suggests a membrane stabilizing property that interferes with the activation of phospholipase A2.

Capsicum activates nociceptive fibres, which induces the release of excitatory neurotransmitters, bind to specific vanilloid (capsaicin) receptors and its effects are reversible.

Capsicum induces selective analgesic effect by depleting substance P, a neuropeptide of 11 amino acids that mediates the transmission and modulation of pain impulses from the peripheral nerves to the spinal column. Capsicum initially stimulates substance P release from peripheral sensory C type nerve fibres, then prevents its reuptake and also blocks its transport within the neuron, which causes its eventual depletion resulting in analgesia.

The mode of action of Methyl salicylic acid is similar to that of Aspirin that shows anesthetic properties by blocking the voltage-operated sodium channels in pain-receptor neurons.

The menthol molecule binds and stimulates the TRPM-8 receptor protein that produces a sensation of cold (pain in extreme cases) when stimulated.

FDA has approved camphor for topical use as a pain reliever and anesthetic. It acts as counter irritant and numbs the nerve endings that inhibit the transmission of pain sensation.

INDICATION

- Muscle pain
- Sprains, strains and sports injuries
- Headache
- Bruising
- Fibrositis
- Neuralgia
- Pain due to herpes zoster
- Osteoarthritis

DOSAGE & ADMINISTRATION

Adult:

- Clean the affected area.
- Apply a small amount of **Torel™** muscle rub (an amount equal to the surface area of the tip of a finger) 3 to 4 times daily or as directed by the physician.

Children under 6 years of age: Not to be used.

SIDE EFFECT

In rare cases hypersensitivity reaction may occur. Inhalation of medicine may cause bronchoconstriction.

CONTRAINDICATION

Capsicum preparations are contraindicated for application on injured skin, allergies to aspirin, allergic inflammation of skin, eczema, itchy rash and near the eyes.

PREGNANCY & LACTATION

There is no information available about restriction of this medicine during pregnancy and lactation. May be safely used in pregnancy or breastfeeding providing the benefits to the mother outweigh the risks of foetus.

DRUG INTERACTION

None.

PRECAUTION

Avoid use on broken or inflamed skin, eyes and the mucous membranes. Rinse with cold water if accidental contact occurs. Do not cover immediately after application. Wash your hands thoroughly after application. If itching or irritation occurs discontinue it.

STORAGE

Store at a cool, dry place and away from direct sunlight. Keep the medicine out of the reach of children.

HOW SUPPLIED

Torel™ : Each lami tube contains 20 gm **Torel™** muscle rub.

Manufactured by :



SQUARE
HERBAL & NUTRACEUTICALS LTD.

TM - Trade Mark.

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