

# Povin® Spray

Povidone-Iodine

## Description

**Povin®** contains Povidone-Iodine that is a stable chemical complex of polyvinyl-pyridone (PVP) and elemental iodine.

## Mode of action

The antimicrobial effects of Povidone-Iodine relate to the presence of diatomic elemental form of iodine rather than hypophalous acid. Activity is thus significantly affected by pH and is greater under acidic condition. Action relates to an oxidative interaction with sulphydryl group of biological macromolecules such as proteins and amino acids and also directly through iodination of amino acids in proteins.

## Pharmacokinetics

Povidone-Iodine is slightly absorbed when applied topically to intact skin. Absorption of iodine across damaged skin and mucous membrane is extensive and lead 104 fold increases in serum iodine levels relative to normal. Unchanged iodine is excreted in urine. Iodide is taken up by the thyroid gland and appears in saliva, sweat and milk.

## Composition

**Povin® Spray:** Each ml topical spray contains 25 mg Povidone-Iodine USP.

## Indications

It is used as a topical antiseptic spray to kill bacteria, viruses, fungi, spores and protozoa. In the treatment and prevention of skin infections in wounds including ulcers, burns, cuts, abrasions and other minor injuries.

## Dosage & administration

**Povin® Spray:** Apply 1-3 times daily for up to 14 days or as directed by the physician.

## Contraindications

It is not for use in children under 2 years of age and in patients with known or suspected iodine hypersensitivity.

Regular use is contraindicated in patients or users with thyroid disorders. Regular use should be avoided as prolonged use may lead to the absorption of a significant amount of iodine. Do not use more than 14 days. Regular use should be avoided in patients on concurrent lithium therapy.

## Side effects

Excessive absorption of iodine may produce systemic adverse effects such as metabolic acidosis, hypernatraemia and impairment of renal function.

## Use in pregnancy & lactation

Regular use of Povidone-Iodine should be avoided in pregnant or lactating women as absorbed iodine can cross the placental barrier and can be secreted into breast milk. The use of Povidone-Iodine gargle & mouth-wash in pregnant and lactating women should be limited to a single treatment session only.

## Precautions

Pregnancy, lactation, renal impairment, broken skin and large open wounds.

## Drug interactions

Absorption of iodine from povidone iodine may interfere with thyroid function tests. Contamination with povidone iodine of several types of tests for the detection of occult blood in faeces or blood in urine may produce false-positive results.

## Storage

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

## Packaging

**Povin® 2.5 % 50 ml Topical Spray:** Each container contains 50 ml topical spray of Povidone-Iodine USP 2.5%



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