

# Povidon-I

Povidone-Iodine USP

10%

## Composition

**Povidon-I 10% Solution:** Each 100 ml solution contains Povidone-Iodine USP 10 gm (1 gm available Iodine).

## Pharmacology

**Povidon-I** contains Povidone-Iodine which is a stable chemical complex of polyvinylpyrrolidone (PVP) and elemental iodine. **Povidon-I** shows non-selective broad spectrum germicidal action and acts as bactericide (both gram-positive and gram-negative), fungicide, virucide, sporicide, amebicide, insecticide, nematocide and is effective in dilute solution. **Povidon-I** does not develop resistance in microorganisms. **Povidon-I** is safer and easier to use than classic iodine preparations and has low systemic toxicity. Unlike Iodine solutions, it is nonsensitizing and does not cause pain when applied to wounds or mucous membranes. **Povidon-I** will not permanently stain skin, natural fibres or hard surfaces. **Povidon-I** is less irritating to the skin than conventional Iodine preparations.

## Indication

**Povidon-I 10% Solution:** For use as an antiseptic skin cleanser for major and minor surgical procedures where a quick drying effect is desired. It is also used in treating primary or secondary topical infections, infected surgical incisions, infected decubitus or stasis ulcers, pyodermas. Secondarily infected dermatoses and infected traumatic lesions. Prophylactically it is used to prevent microbial contamination in burns, incisions and other topical lesions for degerming skin in hyperalimentation and catheter care. The use of **Povidon-I 10% Solution** for abrasions, minor cuts and wounds, may prevent the development of infections and permit wound healing.

## Dosage & Administration

**Povidon-I 10% Solution:** Apply full strength as an antiseptic skin cleanser.

## Contraindication & Precaution

**Povidone-Iodine 10% Solution:** Known or suspected Iodine hypersensitivity. Regular use is contraindicated in patients or users with thyroid disorders (in particular nodular colloid goitre, endemic goitre and Hashimoto's thyroiditis). Povidone-Iodine is not recommended for regular use in neonates and is contraindicated in very low birth weight infants (below 1500 grams). Special caution is needed when regular applications to broken skin are made to patients with pre-existing renal insufficiency. Regular use should be avoided in patients on concurrent lithium therapy.

## Side-effect

**Povidone-Iodine 10% Solution:** Povidone-Iodine may produce local skin reactions although it is less irritant than Iodine. The application of Povidone-Iodine to large wounds or severe burns may produce systemic adverse effects such as metabolic acidosis, hypernatraemia and impairment of renal function.

## Drug Interaction

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.

## 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. Although no adverse effects have been reported from limited use, caution should be recommended and therapeutic benefit must be balanced against possible effects of the absorption of Iodine on fetal thyroid function and development.

## Precaution

Store in cool and dry place. Protect from light. Keep all medicines out of the reach of children.

## Packaging

**Povidon-I 10% Solution:** Each amber color PET bottle contains 100 ml Solution.

Manufactured by



**Ziska Pharmaceuticals Ltd.**

Kaliakoir, Gazipur, Bangladesh