

Povin®

Povidone-Iodine

Description: Povin® contains Povidone-iodine that is a stable chemical complex of polyvinyl-pyrrolidone (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® Ointment: Each gm ointment contains Povidone-iodine USP 50 mg.

Povin® 10% Antiseptic Solution: Each 100 ml contains Povidone-iodine USP 10 gm (1 gm available iodine).

Povin® 1% Gargle & Mouth-wash: Each 100 ml contains Povidone-iodine USP 1 gm (0.1 gm available iodine).

Indications: Povin® Ointment: It is used in pre-operative and post-operative skin infections, primary or secondary topical infections, infected surgical incisions, infected decubitus or stasis ulcers, pyodermas, secondarily infected dermatoses and infected traumatic lesions. It can be used in aiding the healing of ulcers, burns, incisions, minor injuries and other topical lesions. It can also be used for acne vulgaris and vaginal infection.

Povin® 10% Antiseptic 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 Povin 10% Antiseptic Solution for abrasions, minor cuts and wounds, may prevent the development of infections and permit wound healing.

Povin® 1% Gargle & Mouth-wash: It is used for the treatment and prevention of inflammatory conditions of the mouth and throat infections. It is also used for the oral hygiene prior to during and after dental and oral surgery.

Dosage & administration: Povin® Ointment: For the treatment of infection: Apply once or twice daily, or at dressing changes for a maximum of 14 days. For the prevention of infection: Apply once or twice a week for as long as necessary. The affected skin should be cleaned and dried. Apply ointment to the affected area; may be covered with a dressing or bandage.

Povin® 1% Gargle & Mouth-wash: Adults and children over 6 years of age, gargle and rinse with up to 10 ml undiluted or diluted with an equal volume of warm water for up to 30 seconds without swallowing. Repeat 4 times daily for up to 14 consecutive days, or as directed by the physician.

Povin® 10% Antiseptic Solution: Apply full strength as an antiseptic skin cleanser.

Contraindications: Povin® Ointment: Povidone-iodine ointment is

contraindicated in known or suspected iodine hypersensitivity. Not for use in infants under 2 years. It is better to avoid regular use in patients with thyroid disorders and concurrent lithium therapy.

Povin® 10% Antiseptic Solution: Povidone-iodine 10% solution known or suspected iodine hypersensitivity to iodine. Regular use is contraindicated in patients or users with thyroid disorders (in particular nodular colloid goiter, endemic goiter and hashimoto's thyroiditis). Povidone-iodine is not recommended for regular use in infants (below 1500 gm). Secial caution is needed when regular applications to broken skins are made to patients with pre-existing renal insufficiency. The preparation is flammable and caution is advised during surgical procedures involving hot wire cautery or diathermy.

Povin® 1% gargle & Mouth-wash: Povidone-iodine gargle & mouth-wash is not for use in children under 6 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. If sores or ulcers in the mouth do not heal within 14 days seek medical or dental advice. Regular use should be avoided in patients on concurrent lithium therapy.

Side effects: Povin® Ointment & Povin® 10% Antiseptic 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. Povidone-iodine may rarely cause sensitivity and may interfere with thyroid function test.

Povin® 1% Gargle & Mouth-wash: Idiosyncratic mucosal irritation and hypersensitivity reactions may occur. 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® 10 gm Ointment: Each tube contains 10 gm ointment.

Povin® 25 gm Ointment: Each tube contains 25 gm ointment.

Povin® 10% Antiseptic Solution: Each 100 ml bottle contains Povidone-iodine USP 10 gm.

Povin® 1% Gargle & Mouth-wash: Each 100 ml bottle contains Povidone-iodine USP 1 gm.



Opsonin Pharma
Ideas for healthcare

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