

Ketoconazole Salicylic Acid Shampoo

Shampoo is typically used to remove the unwanted build-up of sebum (natural oils) in the hair without stripping out so much as to make hair unmanageable. Shampoo is generally made by combining a surfactant, most often sodium lauryl sulfate or sodium laureth sulfate, with a co-surfactant, most often cocamidopropyl betaine in water. The sulfate ingredient acts as a surfactant, trapping oils and other contaminants, similarly to soap. 68705d43c5 The typical... 68705d43c5 Most cases are caused by *Hortaea werneckii*, a pigmented fungus, which is a dark yeast found in sewage, soil, rotting vegetation and wood and in places with a high salt content such as moldy salted fish and on beaches, where contact with sand may result in transmission. Infection is by direct contact and the fungus enters and remains in the outer dead layer of skin with little or no skin inflammation. The infection does not invade deeper tissues. 68705d43c5 Pyrithione is the conjugate base derived from 2-mercaptopyridine-N-oxide (CAS# 1121-31-9), a derivative of pyridine-N-oxide. 68705d43c5

ATC code D11 Subgroup D11 is part of the anatomical group D Dermatologicals. Empty group D11AH01 Tacrolimus D11AH02 Pimecrolimus D11AH03 Cromoglicic acid D11AH04 Alitretinoin D11AH05 Dupilumab D11AH06 Crisaborole D11AH07 Tralokinumab ATC code D11 Other dermatological preparations is a therapeutic subgroup of the Anatomical Therapeutic Chemical Classification System, a system of alphanumeric codes developed by the World Health Organization (WHO) for the classification of drugs and other medical products 68705d43c5

== Signs and symptoms == 68705d43c5 Side effects may include hair discoloration, skin irritation, and risk of systemic absorption and toxicity, among others. Use is not recommended in children less than 2–5 years old. Use in pregnancy or breastfeeding has not been studied. It consists of a mixture of inorganic covalent compounds having an approximate empirical formulas of SeS₂. Selenium disulfide acts as a keratolytic and antifungal agent. 68705d43c5 This compound was first described in the 1930s. 68705d43c5 According to the Oxford English Dictionary, the word dandruff is first attested in 1545, but is still of unknown etymology. 68705d43c5 == Medical uses == 68705d43c5 Shampoos are mainly marketed to individuals for their hair. There are also medicated shampoos intended for animals. These shampoos may contain insecticides or other important medications such as chlorhexidine, used to treat skin conditions or parasite infestations such as fleas. 68705d43c5 == History == 68705d43c5 The cause is unclear, but believed to involve a number of genetic and environmental factors; the condition may worsen in the winter. It is not due to poor hygiene, and the underlying mechanism involves the excessive growth of skin cells. Diagnosis is based on symptoms. 68705d43c5 Selenium disulfide is sold as an antifungal agent in shampoos (such as Selsun Blue) for the treatment of dandruff and seborrheic dermatitis associated in the scalp with fungi of genus *Malassezia*. It is also used on the body to treat tinea versicolor (pityriasis... 68705d43c5 Common side effects when applied to the skin include redness. Common side effects when taken by mouth include nausea, headache, and liver problems. Liver problems may result in death or the need for a liver transplantation. Other severe side effects when taken orally include QT prolongation, adrenocortical insufficiency, and anaphylaxis. It is an imidazole and works by hindering the production of ergosterol required for the fungal cell membrane, thereby slowing growth. 68705d43c5 The pyrithione ligands, which are formally monoanions, are chelated to Zn²⁺ via oxygen and sulfur centers. In the crystalline state, zinc pyrithione exists as a centrosymmetric dimer (see figure), where each zinc is bonded to two sulfur and three oxygen centers. In solution, however, the dimers dissociate via scission of one Zn–O bond. 68705d43c5 Selenium disulfide was approved for medical use in the United States at least as early as 1951. It is on the World Health Organization's List of Essential Medicines. Selenium disulfide is available as a generic medication and over the counter. 68705d43c5

Shampoo These shampoos are made of sulfur, salicylic acid, refined Shampoo () is a hair care product, typically in the form of a viscous liquid, that is formulated to be used for cleaning (scalp) hair. Less commonly, it is available in solid bar format (not to be confused with "dry shampoo" which is a separate product). Some users may follow shampooing with the use of hair conditioner. Shampoo is used by applying it to wet hair, massaging the product in the hair, roots and scalp, and then rinsing it out. Antiseborrheic shampoos are those especially designed for pets with scales or those with excessive oily coats 68705d43c5

Diagnosis is by visualisation, dermoscopy, and microscopy... 68705d43c5 Codes for veterinary use (ATCvet codes) can be created by placing the letter Q in front of the human ATC code: for example, QD11. ATCvet codes without corresponding human ATC codes are cited with the leading Q in the following list. National versions of the ATC classification may include additional codes not present in this list, which follows the WHO version. 68705d43c5 == Etymology == 68705d43c5

Ketoconazole Applied to the skin it is used for fungal skin infections such as tinea, cutaneous candidiasis, pityriasis versicolor, dandruff, and seborrheic dermatitis. Taken by mouth it is a less preferred option and recommended for only severe infections when other agents cannot be used. include creams, shampoos, foams, and gels applied to the skin, unlike the ketoconazole tablets, which are taken by mouth. Ketoconazole is categorized as Ketoconazole, sold under the brand name Nizoral, among others, is an antiandrogen, antifungal, and antigluocorticoid medication used to treat a number of fungal infections. Other uses include treatment of excessive male-patterned hair growth in women and Cushing's syndrome 68705d43c5

Ketoconazole was patented in 1977 by Belgian pharmaceutical company Janssen, and came into medical use in 1981. It is available as a generic medication and formulations that... 68705d43c5 There is no known cure for dandruff. Antifungal cream, such as ketoconazole, or the keratolytic agent salicylic acid may be used to try to improve the condition. Dandruff affects about half of adults, with males more often affected than females. In addition, people in all areas of the world are affected. Onset is usually at puberty, and it becomes less common after the age of 50.

68705d43c5 == D11A Other dermatological preparations == 68705d43c5

Management of hair loss Dermatology. Piérard-Franchimont C, De Doncker P, Cauwenbergh G, Piérard GE (1998). "Ketoconazole shampoo: effect of long-term use in androgenic alopecia". 196 The management of hair loss, includes prevention and treatment of baldness, and hair thinning, and regrowth of hair 68705d43c5

Selenium disulfide and compared treatment with 2% ketoconazole shampoo (n=97), 2. It is applied to the affected area as a lotion or shampoo. Symptoms frequently return if treatment is stopped. 5% selenium disulfide shampoo (n=100), and placebo (shampoo base with no antiseborrheic agent) Selenium disulfide, also known as selenium sulfide, is a chemical compound and medication used to treat seborrheic dermatitis, dandruff, and pityriasis versicolor 68705d43c5

Cradle cap pyrithione, or salicylic acid) while others warn against the use of medicated shampoos in newborns due to systemic absorption. Dandruff shampoos often contain Cradle cap is crusty or oily scaly patches on a baby's scalp. The condition is not painful or itchy, but it can cause thick white or yellow scales that are not easy to remove 68705d43c5

Cradle cap most commonly begins sometime in the first three months but can occur in later years. Similar symptoms in older children are more likely to be dandruff than cradle cap. The rash is often prominent around the ear, the eyebrows or the eyelids. It may appear in other locations as well, where it is called infantile seborrheic dermatitis. Cradle cap is just a special—and more benign—case of this condition. The exact cause of cradle cap is not known. Cradle cap is not spread from person to person (not contagious). It is also not caused by poor hygiene. It is not an allergy, and it is not dangerous. Cradle cap often lasts a few months. In some children, the condition can last until age 2 or 3. 68705d43c5 == Structure of the compound == 68705d43c5 The cause is unclear but believed to involve a number of genetic and environmental factors. Risk factors for seborrheic dermatitis include poor immune function, Parkinson's disease, and alcoholic pancreatitis. The condition may worsen with stress or during the winter. Malassezia yeast is believed to play a role. It is not a result of poor hygiene. Diagnosis is typically clinical and based on the symptoms present. The condition is not contagious. 68705d43c5

Seborrheic dermatitis It can result in social or self-esteem problems. Coal tar shampoo formulations can be effective Seborrheic dermatitis or seborrheic dermatitis (depending upon the variety of English used) is a long-term skin disorder. In babies, when the scalp is primarily involved, it is called cradle cap. Symptoms include flaky, scaly, greasy, and occasionally itchy and inflamed skin. As dandruff may refer to any dryness or scaling of the scalp, not all dandruff is seborrheic dermatitis. Mild seborrheic dermatitis of the scalp may be described in lay terms as dandruff due to the dry, flaky character of the skin. Areas of the skin rich in oil-producing glands are often affected including the scalp, face, and chest. Seborrheic dermatitis is sometimes inaccurately referred to as seborrhea. Keratolytics include urea, salicylic acid, coal tar, lactic acid, pyrithione zinc and propylene glycol 68705d43c5

Scratching of itchy scalp may contribute to hair loss. 68705d43c5

Dandruff Antifungal cream, such as ketoconazole, or the keratolytic agent salicylic acid may be used to try to improve the condition. It can result in social or self-esteem problems. A more severe form of the condition, which includes inflammation of the skin, is known as seborrheic dermatitis. Dandruff Dandruff is a skin condition of the scalp. Symptoms include heavy flaking and sometimes mild itchiness. known cure for dandruff 68705d43c5

== Prevention == 68705d43c5

Zinc pyrithione Ketoconazole, another antifungal agent used in shampoos Piroctone olamine, another antifungal agent used in shampoos Selenium disulfide Zinc pyrithione (or pyrithione zinc) is a coordination complex of zinc. within the host cell. It has fungistatic (inhibiting the division of fungal cells) and bacteriostatic (inhibiting bacterial cell division) properties and is used in the treatment of seborrheic dermatitis and dandruff 68705d43c5

Tinea nigra The macules occasionally extend to the fingers, toes, and nails, and may be reported on the chest, neck, or genital area. Tinea nigra infections can present with multiple macules that can be mottled or velvety in appearance, and may be oval or irregular in shape. The macules can be anywhere from a few mm to several cm in size. There may be multiple spots. Topical antifungal azoles such as ketoconazole, itraconazole, and miconazole Tinea nigra, also known as superficial phaeohyphomycosis and Tinea nigra palmaris et plantaris, is a superficial fungal infection, a type of phaeohyphomycosis rather than a tinea, that causes usually a single 1-5 cm dark brown-black, non-scaly, flat, painless patch on the palms of the hands and the soles of the feet of healthy people. application of dandruff shampoo, which contains selenium sulfide, over the skin 68705d43c5

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