

## pure beauty® Anti-Bacterial Soap

pure beauty® Anti-Bacterial Soap works on purifying skin from all types of germs and decreases inflammation. Ensures effective cleansing for prone acne skin .Superior rinsability leaving skin free of residue which can interfere with the effectiveness of acne medications. Don't clog the pores. Skin feeling & looking healthy and comfortable.

## **Active Ingredients**

## 1 CHLOROXYLENOL

Chloroxylenol, also known as para-chloro-meta-xylenol (PCMX), is an antiseptic and disinfectant which is used for skin disinfection and cleaning surgical instruments.[2] It is also used within a number of household disinfectants and wound cleaner.

# 2 GLYCERIN

Glycerin, or glycol, is a colorless or yellow sugar alcohol with the consistency of syrup that is extracted from natural sources or synthesized. It's used as an antifreeze and a sweetener and in making explosives, inks and lubricants. Since the mid-19th century, it's also been included in skin and hair care products due to its moisturizing and protective benefits.

### **Atopic Dermatitis Treatment**

Atopic dermatitis is an inflammation of the skin that causes scaliness, itching and rashes. In a placebo-controlled, double-blind study at the Friedrich Schiller University Department of Dermatology in 2008, researchers investigated the effects of glycerin on atopic dermatitis on human subjects who were treated twice daily for four weeks. The patients receiving the glycerin showed significant improvement in the hydration of the outer layer of skin, and the skin's normal protective barrier function was restored.

#### **Antimicrobial Effects**

Skin graft tissues used to treat burn victims are often stored in concentrations of glycerol. In a report published in the March 2008 issue of the journal Burns, it was shown that the higher the concentration of glycerol and the longer the tissues were stored in the medium, the more the skin grafts were able to fight off bacterial infections that often affect such grafts. The researchers concluded that glycerol has an antimicrobial effect.

## Skin Cells

In research published in December 2003 in The Journal of Investigative Dermatology, scientists reported that glycerol works as a signal to help direct skin cells through their four normal stages of maturity. This is important for people with diseases such as psoriasis and non-melanoma skin cancers that result from abnormal proliferation and maturation of skin cells, as it demonstrates that glycerol may be useful to assist in healing skin wounds.



### Skin Elasticity

Another benefit of glycerin is that it helps make skin suppler. A study in Denmark in 2003 showed that skin elasticity was improved even after only a 10-minute application of glycerin. Additional research in Germany also used oral glycerin supplements to fully restore the reduced skin elasticity in mice with damaged skin.

#### Moisturizer

The primary use of glycerin for the skin is as a moisturizer for dry, rough or scaly skin. Various studies, such as one conducted in 2002 on patients with eczema in Sweden, have clearly demonstrated that glycerin has humectant properties, drawing water into the outer layer of the skin.

#### **Irritants**

It's been known in scientific circles for years that glycerol protects skin against irritation. In a study published in the journal Dermatology in 1998, researchers pretreated skin with several irritating substances and then applied glycerol to the area under an air-tight and watertight dressing. The glycerol staved off any negative effects from the irritations, provided a significant improvement of the protective barrier function in the skin and caused skin cells to regenerate.

## **Bruising and Swelling**

Glycerin also helps promote skin regeneration in skin that is bruised and swollen. In a double-blind, placebo-controlled clinical study, a product containing glycerin provided a reduction in the severity and duration of bruising with just one application in 65 percent of the patients in the study.

Ingredients: Glycerin, Stearic acid, Myristic acid, Potassium Cocoate, Cocamidopropyl Betain, Decyl Glucoside, 1,3 - Propanediol, Caustic Soda, Triethanolamine, Chloroxylenol, Fragrance.



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