

SkinBrite-30™

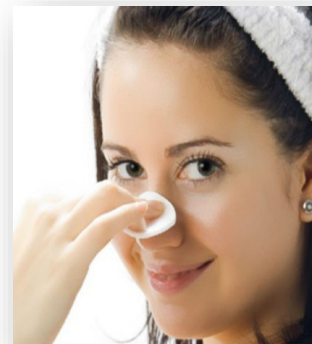
Control Sebum
Skin Lightener
Skin Moisturizer

McKinley
resources, inc.

SkinBrite-30™

INCI Name: Potassium Azeloyl Diglycinate

CAS Numbers: 477773-67-4



Description:

SkinBrite-30™ is a water soluble, diamide salt of azelaic acid that improves the technical characteristics for formulation. Azelaic acid itself has very poor water solubility, however, it is found in many grain proteins and is a beneficial component of the skin. Azelaic acid in the skin is a signaling compound for inflammation and induces the production of salicylic acid. The Potassium Azeloyl Diglycinate derivative is a safe, highly effective and multifunctional cosmetic ingredient. As the diamide potassium salt, SkinBrite-30 is a new ingredient that resolves many of the formulation difficulties of azelaic acid. SkinBrite-30 offers water solubility, requires less dosage, and has beneficial effects against inflammation.

Technical Data:

Test/Properties:	Specification:
Appearance	Colorless or Light yellow transparent liquid
Odor	Slight characteristic odor
Activity content, %	28.0 ~ 32.0
pH value (20°C)	6.5 ~ 7.5
Density, g/cm ³	1.10 ~ 1.17
Total of bacterium, CFU/ml	< 200
Hg, ppm	1
As (asAs ₂ O ₃), ppm	10
Pb, ppm	40

Recommended Use Level: 2.0% to 8.0%,

Applications:

SkinBrite-30 is recommended for controlling sebum, skin lightening and skin moisturization. By helping to bind moisture in the skin, SkinBrite-30 can improve skin elasticity. SkinBrite-30 is used in multifunctional anti-aging formulations, skin whitening creams and lotions, acne prone treatments and facial moisturizers.



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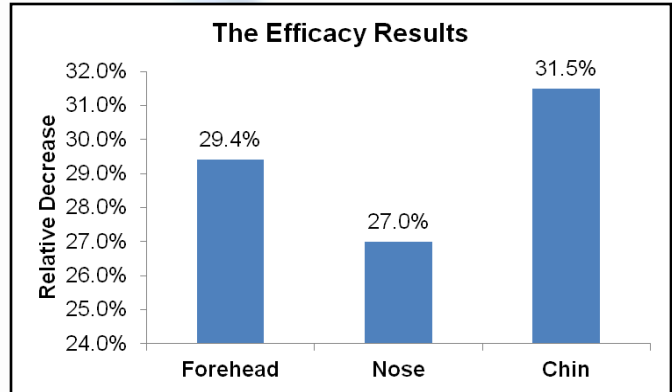
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In-vivo testing of SkinBrite-30™ to show regulation of sebum secretion⁽¹⁾

Five volunteers with oily and acne prone skin used a treatment containing 3% SkinBrite-30 twice daily over three weeks. Sebum content of the forehead, nose and chin was measured initially and after three weeks.

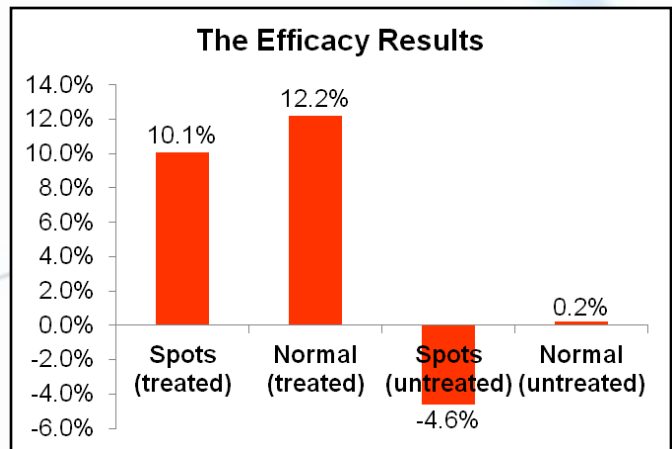
SkinBrite-30 can help regulate sebum secretion in oily and acne prone skin. These efficacy results show that sebum was reduced by 29% on the forehead, 27% on the nose and 32% on the chin.



In-vivo testing of SkinBrite-30™ to show skin lightening⁽¹⁾

The hands of five volunteers with localized hyperpigmented spots were tested both on and off the localized spot with a treatment containing 3% SkinBrite-30, twice daily over three weeks. Initial skin color was compared to the treated area after three weeks. Again, test sites included the hyperpigmented spots and sites beyond the hyperpigmentation areas. Hands with hyperpigmentation but with no treatment were also monitored.

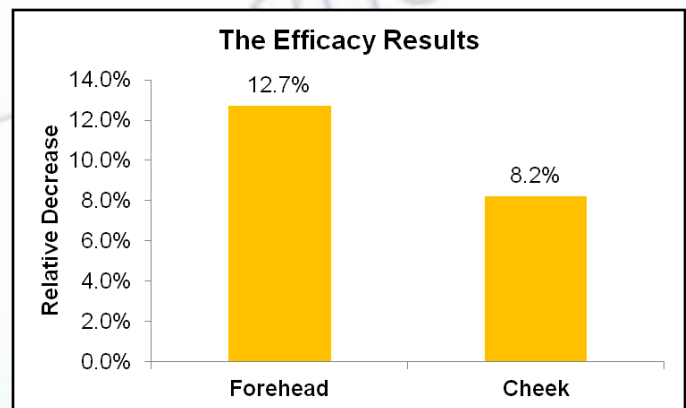
Using SkinBrite-30 at 3% improves hyperpigmented skin color by 10%. On areas without hyperpigmentation, skin color improves by 12%.



In-vivo testing of SkinBrite-30™ to show moisturization⁽¹⁾

A 3% SkinBrite-30 formulation was applied to the forehead and cheek area of five volunteers twice daily over three weeks. Moisturization and skin suppleness was tested initially and after three weeks.

Skin moisturization increased by 13% on the forehead and 8% on the cheek.



1. L. Rigano and M. Cucchiara; Azeloyl Glycine: A New Active in Skin Disequilibrium, J. Appl. Cosmetol. 21, 177-188 (2003); <http://www.iscd.it/files/AZELOYL-GLYCINE---A-NEW-ACTIVE-IN-SKIN-DISEQUILIBRIUM.pdf>



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