COMPOSITIONS FOR SKIN EXFOLIATION AND USE THEREOF

RELATED APPLICATIONS

[0001] This application claims the benefit of U.S utility patent application no. 13/243,567 entitled "COMPOSITIONS FOR SKIN EXFOLIATION AND USE THEREOF" filed on September 23, 2011, which is incorporated by reference in its entirety.

BACKGROUND OF THE INVENTION

[0002] A variety of skin problems including acne, scars, pigmentation disorders, sun exposure, *etc.*, have led to the development of a variety of compositions and therapies directed toward their treatment. Such treatments may include skin creams, lotions, or ointments which are applied to help rejuvenate or nourish the underlying skin layers. An additional treatment includes the application of a compound, which aids in the removal of damaged skin layers (*i.e.*, a skin peel agent).

[0003] Skin peels generally include one or more acidic components which are applied to the skin in order to remove a layer of the skin. The removal of a layer of skin allows a new layer of skin lining to develop, often resulting in evenly colored, healthier skin and further reducing the skin problems. Depending on the level of existing skin conditions a patient has, increased acidic concentrations or prolonged application of a skin peel composition may be implemented in order to treat deeper skin layers or severe cases of skin disorders.

SUMMARY OF THE INVENTION

[0004] Provided herein are skin peel compositions which are available without the need for a prescription, which has a reliable concentration for treatment of patients, provides for rapid therapeutic results faster than that of known skin peel compositions, which reduces pain and discomfort, substantially reduces any preparation time or down-time, and further provides therapeutic results faster than that of known skin peel compositions.

[0005] The present disclosure relates to dermatological compositions and methods for application thereof, and in particular compositions for efficiently and effectively performing chemical peel procedures. The goal is to provide patients with a consistent, single-source for exfoliation procedures that will ensure predictable results and improve ordering convenience for medical professionals.

[0005a] In one aspect, there is provided a kit for exfoliating skin of a patient the kit consisting essentially of: a) a skin cleanser for removing dirt and oil from the skin of the patient, the skin cleanser

containing an alcohol, water and acetone; b) an acidic solution for exfoliating the skin, the acidic solution containing an alcohol, salicylic acid, resorcinol, panthenol, isoceteth-20 and lactic acid; c) a retinol solution for accelerating the skin exfoliation, the retinol solution consisting essentially of retinol and a denatured alcohol; and d) a plurality of measuring cups for measuring an amount of the skin cleanser, wherein the acidic solution and the retinol solution are topically applied sequentially to the skin of the patient.

[0006] Chemical peeling can be done in varying degrees of depth. A very superficial peel (exfoliation) is generally one which is comparatively superficial in effect in which the peel thins and/or removes the stratum corneum and does not extend below the stratum granulosum. Superficial peels (epidermal) peels are those that remove part or all of the epidermis extending from

CLAIMS

WHAT IS CLAIMED IS:

~~1. Use of a composition comprising a pharmaceutically acceptable carrier and a concentration of at least 3%, at least 4%, at least 5%, at least 6%, at least 7%, at least 8%, at least 9%, at least 10% or more of a retinol solution, wherein the retinol solution is prepared from a substantially pure retinol source in the manufacture of a medicament for skin exfoliation treatment.~~

~~2. The use of clam 1, wherein said medicament is substantially free of a surfactant, a stabilizer, or both.~~

~~3. The use of claim 1, wherein said retinol solution has a purity of at least about 98%.~~

~~4. The use of claim 1, wherein said retinol solution is prepared from a powder with a purity of at least 98%.~~

~~5. The use of claim 1, wherein said retinol solution is present at a concentration of 3% or 5%.~~

~~6.~~1. A kit for exfoliating skin ~~comprising~~ of a patient the kit consisting essentially of:

a. a skin cleanser for removing dirt and oil from the skin of the patient, the skin cleanser containing an alcohol, water and acetone;
b. an acidic solution for exfoliating the skin, the acidic solution containing an alcohol, salicylic acid, resorcinol, panthenol, isoceteth-20 and lactic acid;
c. a retinol solution for accelerating the skin exfoliation, ~~wherein~~ the retinol solution ~~is prepared from a substantially pure~~ consisting essentially of retinol and a denatured alcohol~~source~~; and
d. ~~instructions for applying solutions~~ a plurality of measuring cups for measuring an amount of the skin cleanser,

wherein the acidic solution and the retinol solution are topically applied sequentially to the skin of the patient.

~~7.~~2. The kit of claim ~~6~~1, wherein ~~said~~ the skin cleanser alcohol ~~comprises an~~is isopropyl alcohol ~~solution~~.

~~8. The kit of claim 6, wherein said acidic solution comprises lactic acid, salicylic acid, and resorcinol.~~

~~9. The kit of claim 8, wherein said acidic solution further comprising Isoceteth-20, Panthenol, or a combination thereof.~~

10. The kit of claim 6, wherein said retinol solution comprises a concentration of about at least 3%, at least 4%, at least 5%, at least 6%, at least 7%, at least 8%, at least 9%, at least 10% or more.

11. The kit of claim 6, wherein said retinol solution does not contain a surfactant, a stabilizer, or both.

~~12~~3. The kit of claim ~~6~~1, wherein ~~said~~ the retinol ~~solution~~ used in the retinol solution has a purity of at least ~~about~~ 98%.

~~13. A method for skin exfoliation, the method comprising:~~

~~a. cleansing skin to be exfoliated;~~

~~b. applying an acidic solution to the skin; and~~

~~c. applying a retinol solution to the skin; wherein said retinol solution contains a concentration of about at least 3%, at least 4%, at least 5%, at least 6%, at least 7%, at least 8%, at least 9%, at least 10%, or more of retinol, wherein said retinol solution is prepared from a substantially pure source, and wherein said retinol solution is applied to the skin after the acidic solution is applied to the skin.~~

~~14. The method of claim 13, wherein step a. comprises applying an alcohol solution to the skin.~~

~~15. The method of claim 14, wherein~~

~~a. the alcohol solution comprises an isopropyl alcohol solution;~~

~~b. the retinol solution is applied to the skin after the acidic solution is applied to the skin and the acidic solution does not contain a surfactant or a stabilizer;~~

c. the acidic solution comprises a combination of lactic acid, salicylic acid, and resorcinol;

d. the acidic solution further comprises Isoceteth-20, Panthenol, or a combination thereof, and;

e. the method improves overall photodamage, appearance of fine lines and wrinkles, skin tone unevenness, or a combination thereof, and the improvement is at least 1.5 fold or at least 2-fold compared to untreated skin.