SUMMARY

The present subject matter relates to topical compositions and methods for treating rosacea including administering a topical composition.

In one aspect, there is provided a topical composition, comprising: an inflammatory management agent comprising lactose and/or milk protein, the inflammatory management agent being present in an amount of from about 0.01 wt. % to about 12.5 wt. % based on the weight of the topical composition; a vascular repair agent comprising palmitoyl glycine, the vascular repair agent being present in an amount of from about 0.01 wt. % to about 15 wt. % based on the weight of the topical composition; a neurogenic agent comprising an oligosaccharide, the neurogenic agent being present in an amount of from about 0.01 wt. % to about 22.5 wt. % based on the weight of the topical composition; a sebum suppression agent comprising Panthenyl Triacetate, farnesol and farnesyl acetate, the sebum suppression agent being present in an amount of from about 0.01 wt. % to about 25 wt. % based on the weight of the topical composition; and an exfoliating agent comprising at least one plant derived cysteine protease enzyme, the exfoliating agent being present in an amount of from about 0.01 wt. % to about 10 wt. % based on the weight of the topical composition.

In another aspect, there is provided a topical dosage form selected from the group consisting of a cream, a lotion, an ointment, a foam, an aerosol, a powder, a solution, an emulsion, and a serum, comprising the topical composition according to the present invention.

In another aspect, there is provided a kit comprising the topical composition of the present invention.

In a further aspect, there is provided the topical composition according to the present invention for use in treating rosacea, wherein a therapeutically effective amount of the topical composition is to be topically administered to the skin of a subject in need thereof.

In a further aspect, there is provided a topical composition, consisting essentially of: an inflammatory management agent comprising lactose and milk protein, the inflammatory management agent being present in an amount of from about 0.01 wt. % to about 12.5 wt. % based on the weight of the topical composition; a vascular repair agent comprising palmitoyl glycine, the vascular repair agent being present in an amount of from about 0.01 wt. % to about 15 wt. % based on the weight of the topical composition; a neurogenic agent comprising an oligosaccharide, the neurogenic agent being present in an amount of from about 0.01 wt. % to about 22.5 wt. % based on the weight of the topical composition; a sebum suppression agent comprising Panthenyl Triacetate, farnesol and farnesyl acetate, the sebum suppression agent being present in an amount of from about 0.01 wt. % to about 25 wt. % based on the weight of the topical composition; an exfoliating agent comprising at least one plant derived cystein protease enzyme, the exfoliating agent being present in an amount of from about 0.01 wt. % to about 10 wt. % based on the weight of the topical composition; and optionally one or more agent selected from the group consisting of a solvent, a chelating agent, a humectant, a thickener, emollient, an emulsifier, a skin conditioning agent, an antioxidant, an anti-inflammatory agent, pH adjuster and a preservative.

In yet a further aspect, there is provided use of the topical composition according to the present invention in the manufacture of a medicament for treating rosacea,

wherein a therapeutically effective amount of the topical composition is to be topically administered to the skin of a subject in need thereof.

More specifically, provided is a biocompatible topical composition comprising or consisting of a novel combination of an inflammatory management agent, a vascular repair agent, a neurogenic agent, a sebum suppression agent and an exfoliating agent for treating, preventing and/or stabilizing Rosacea conditions and symptoms thereof or a condition related thereto.

The topical composition may optionally comprise or consist of one or more additional agents. For example, the topical composition may optionally comprise or consist of a carrier, which may be a solvent, a chelating agent, a humectant, a thickener, an emollient, an emulsifier, a skin conditioning agent, an anti-inflammatory agent, an antioxidant, a pH adjuster and/or a preservative. In addition, the topical composition may also comprise or consist of one or more biocompatible carrier, excipient, filler and/or diluent.

Also provided is a rosacea treatment, prevention or amelioration skin kit. The skin kit may comprise or consist of the topical composition provided herein and one or more additional composition. The one or more additional composition may be a skin cleanser, an oral composition for treating skin, a sunscreen such as, e.g., an organic sunscreen, a moisturizing composition, an exfoliating composition such as, e.g., an exfoliating polish, a barrier protecting composition and/or an additional topical composition for treating, preventing or ameliorating rosacea, a symptom thereof or a condition related thereto such as, e.g., a topical formulation comprising salicylic acid or

Claims

1. A topical composition, comprising:

an inflammatory management agent comprising lactose and/or milk protein, the inflammatory management agent being present in an amount of from about 0.01 wt. % to about 12.5 wt. % based on the weight of the topical composition;

a vascular repair agent comprising palmitoyl glycine, the vascular repair agent being present in an amount of from about 0.01 wt. % to about 15 wt. % based on the weight of the topical composition;

a neurogenic agent comprising an oligosaccharide, the neurogenic agent being present in an amount of from about 0.01 wt. % to about 22.5 wt. % based on the weight of the topical composition;

a sebum suppression agent comprising Panthenyl Triacetate, farnesol and farnesyl acetate, the sebum suppression agent being present in an amount of from about 0.01 wt. % to about 25 wt. % based on the weight of the topical composition; and

an exfoliating agent comprising at least one plant derived cysteine protease enzyme, the exfoliating agent being present in an amount of from about 0.01 wt. % to about 10 wt. % based on the weight of the topical composition.

2. The topical composition according to claim 1, further comprising one or more agent selected from the group consisting of a solvent, a chelating agent, a humectant, a thickener, emollient, an emulsifier, a skin conditioning agent, an antioxidant, an anti-inflammatory agent, pH adjuster and a preservative.

3. The topical composition of claim 1, wherein the inflammatory management agent is present in an amount of from about 0.25 wt. % to about 10.0 wt. % based on the weight of the topical composition.

4. The topical composition of claim 1, wherein the vascular repair agent is present in an amount of from about 0.25 wt. % to about 5.0 wt. % based on the weight of the topical composition.

5. The topical composition of claim 1, wherein the neurogenic agent is present in an amount of from about 0.1 wt. % to about 5.0 wt. % based on the weight of the topical composition.

6. The topical composition of claim 1, wherein the sebum suppression agent is present in an amount of from about 0.1 wt. % to about 5.0 wt. % based on the weight of the topical composition.

7. The topical composition of claim 1, wherein the exfoliating agent is present in an amount of from about 0.1 wt. % to about 10.0 wt. % based on the weight of the topical composition.

8. A topical dosage form selected from the group consisting of a cream, a lotion, an ointment, a foam, an aerosol, a powder, a solution, an emulsion, and a serum, comprising the topical composition according to claim 1.

9. The topical dosage form of claim 8, wherein the topical composition does not comprise a fragrance.

10. The topical dosage form of claim 8, wherein topical dosage form is a lotion.

11. A kit, comprising the topical composition of claim 1.

12. The topical composition according to claim 1 for use in treating rosacea, wherein a therapeutically effective amount of the topical composition is to be topically administered to the skin of a subject in need thereof.

13. The topical composition of claim 12, wherein the topical composition is a lotion.

14. The topical composition of claim 12, wherein the topical composition is to be applied twice daily.

15. The topical composition of claim 12, wherein the skin is to be cleaned prior to the administration of the topical composition.

16. The topical composition of claim 15, wherein

the skin of the subject is to be exfoliated by an exfoliating polish.

17. The topical composition according to claim 15, wherein a topical formulation comprising salicylic acid is to be administered to the skin of the subject.

18. The topical composition according to claim 15, wherein an organic or an inorganic sunscreen is to be administered to the skin of the subject.

19. The kit of claim 11, further comprising one or more additional composition selected from the group consisting of a skin cleanser, an organic or an inorganic sunscreen, an exfoliating polish, a topical formulation comprising salicylic acid.

20. A topical composition, consisting essentially of:

an inflammatory management agent comprising lactose and milk protein, the inflammatory management agent being present in an amount of from about 0.01 wt. % to about 12.5 wt. % based on the weight of the topical composition;

a vascular repair agent comprising palmitoyl glycine, the vascular repair agent being present in an amount of from about 0.01 wt. % to about 15 wt. % based on the weight of the topical composition;

a neurogenic agent comprising an oligosaccharide, the neurogenic agent being present in an amount of from about 0.01 wt. % to about 22.5 wt. % based on the weight of the topical composition;

a sebum suppression agent comprising Panthenyl Triacetate, farnesol and farnesyl acetate, the sebum suppression agent being present in an amount of from

about 0.01 wt. % to about 25 wt. % based on the weight of the topical composition;

an exfoliating agent comprising at least one plant derived cystein protease enzyme, the exfoliating agent being present in an amount of from about 0.01 wt. % to about 10 wt. % based on the weight of the topical composition; and

optionally one or more agent selected from the group consisting of a solvent, a chelating agent, a humectant, a thickener, emollient, an emulsifier, a skin conditioning agent, an antioxidant, an anti-inflammatory agent, pH adjuster and a preservative.

21. Use of the topical composition according to claim 1 in the manufacture of a medicament for treating rosacea, wherein a therapeutically effective amount of the topical composition is to be topically administered to the skin of a subject in need thereof.

22. The use of claim 21, wherein the topical composition is a lotion.

23. The use of claim 21, wherein the topical composition is to be applied twice daily.

24. The use of claim 21, wherein the skin is to be cleaned prior to the administration of the topical composition.

25. The use of claim 24, wherein the skin of the subject is to be exfoliated by an exfoliating polish.

26. The use according to claim 24, wherein a topical formulation comprising salicylic acid is to be administered to the skin of the subject.

27. The use according to claim 24, wherein an organic or an inorganic sunscreen is to be administered to the skin of the subject.