Claims

1. An aqueous gel composition comprising:
about 1% to about 4% tapinarof,
about 10% to about 65% water,
about 10% to about 50% diethylene glycol monoethyl ether (DEGEE),
about 5% to about 65% of a glycol,
about 2% to about 55% of a solvent,
about 0.5% to about 5% of a gelling agent, and
a neutralizing agent.

2. An anhydrous gel composition comprising:
about 1% to about 4% tapinarof,
about 10% to about 70% of a solvent,
about 10% to about 30% diethylene glycol monoethyl ether (DEGEE),
about 15% to about 50% of a glycol, and
about 0.5% to about 5% of a gelling agent.

3. The composition of claim 1, wherein the composition has a pH of about 6 to about 6.5.

4. The composition of claim 1 or 2, wherein the solvent is selected from the group consisting of N-methyl-2-pyrrolidone (NMP), dimethyl sulfoxide (DMSO), dimethyl isosorbide (DMI), benzyl alcohol, phenoxyethanol, ethanol, cetostearyl alcohol, glycerol, medium chain triglycerides, D-panthenol, isostearic acid (such as Prisorine 3505), liquid medilan ultra, oleic acid, PEG 10 dimethicone, and combinations thereof.

5. The composition of claim 1 or 2, wherein the glycol is selected from the group consisting of low molecular weight PEG, PEG 200, PEG 300, PEG 400, propylene glycol, dipropylene glycol, hexylene glycol, butylene glycol, and combinations thereof.

6. The composition of claim 1 or 2, wherein the gelling agent is selected from the group consisting of a carbomer, an acrylate-based polymer, a cellulose-based polymer, a

poloxamer, a high molecular weight PEG, a polyamide, a siligel, and combinations thereof.

7. The composition of claim 1, wherein the neutralizing agent is selected from the group consisting of sodium hydroxide, ammonium hydroxide, potassium hydroxide, arginine, aminomethyl propanol, tetrahydroxypropyl ethylenediamine, triethanolamine, tromethamine, PEG-15 cocamine, diisopropanolamine, triisopropanolamine, trolamine, and combinations thereof.

8. An ointment composition comprising:
about 1% to about 4% tapinarof,
about 10% to about 70% of a low molecular weight PEG,
about 50% to about 75% of a solvent, and
about 25% to about 35% of a high molecular weight PEG.

9. The ointment composition of claim 8, wherein the low molecular weight PEG is selected from the group consisting of PEG 200, PEG 300, PEG 400, PEG 500, PEG 600, and combinations thereof.

10. The ointment composition of claim 8, wherein the solvent is selected from the group consisting of a glycol, diethylene glycol monoethyl ether (DEGEE), an alcohol, water, glycerol, dimethyl sulfoxide (DMSO), N-methyl-2-pyrrolidone (NMP), dimethyl isosorbide (DMI), medium chain triglycerides, D-panthenol, isostearic acid (such as Prisorine 3505), liquid lanolin (such as liquid medilan ultra), oleic acid, PEG 10 dimethicone, and combinations thereof.

11. The ointment composition of claim 10, wherein the glycol is selected from the group consisting of propylene glycol, hexylene glycol, dipropylene glycol, butylene glycol, and combinations thereof.

12. The ointment composition of claim 10, wherein the alcohol is selected from the group consisting of ethanol, isopropanol, benzyl alcohol, phenoxyethanol, cetostearyl alcohol, and combinations thereof.

13. The ointment composition of claim 10, wherein the glycols are present in an amount of about 10% to about 40%.

14. The ointment composition of claim 10, wherein the diethylene glycol monoethyl ether (DEGEE) is present in an amount of about 10% to about 40%.

15. The ointment composition of claim 10, wherein the alcohol is present in an amount of about 1% to about 10%.

16. The ointment composition of claim 10, wherein the water is present in an amount of about 1% to about 25%.

17. The ointment composition of claim 10, wherein the glycerol is present in an amount of about 1% to about 25%.

18. The ointment composition of claim 10, wherein the dimethyl sulfoxide (DMSO) is present in an amount of about 1% to about 50%.

19. The ointment composition of claim 8, wherein the high molecular weight PEG is selected from the group consisting of PEG 1500, PEG 3350, PEG 4000, and combinations thereof.

20. The ointment composition of claim 8, wherein the ointment composition further comprises about 10% silicone-based solvent.

21. A foam composition comprising:

about 1% to about 4% tapinarof,
about 20% to about 80% of a solvent,
about 0.5% to about 10% of an emulsifier,
about 5% to about 15% of a thickener, and
about 20% to about 50% of a propellant.

22. The foam composition of claim 21, wherein the solvent is selected from the group consisting of a glycol, diethylene glycol monoethyl ether (DEGEE), an alcohol, water, glycerol, dimethyl sulfoxide (DMSO), N-methyl-2-pyrrolidone (NMP), dimethyl isosorbide (DMI), medium chain triglycerides, D-panthenol, isostearic acid (such as Prisorine 3505), liquid lanolin (such as liquid medilan ultra), oleic acid, PEG 10 dimethicone, and combinations thereof.

23. The foam composition of claim 22, wherein the glycol is selected from the group consisting of low molecular weight PEG, PEG 200, PEG 300, PEG 400, propylene glycol, dipropylene glycol, hexylene glycol, butylene glycol, and combinations thereof.

24. The foam composition of claim 22, wherein the alcohol is selected from the group consisting of ethanol, isopropanol, benzyl alcohol, phenoxyethanol, cetostearyl alcohol, and combinations thereof.

25. The foam composition of claim 21, wherein the emulsifiers are selected from the group consisting of steareth 2, steareth 20, polysorbate 80, polyoxyethylene (2) stearyl ether (such as Brij S2), polyoxyethylene (20) stearyl ether (such as Brij S20), Polawax NF, glyceryl monostearate, and combinations thereof.

26. The foam composition of claim 21, wherein the thickeners are selected from the group consisting of a carbomer, an acrylate-based polymer, a cellulose-based polymer, a poloxamer, a high molecular weight PEG, a polyamide, a siligel, aluminum starch octenylsuccinate, and combinations thereof.

27. The foam composition of claim 21, wherein the propellants are selected from the group consisting of hydro fluoro alkanes (HFA), hydro fluoro ethane (HFE), hydro fluoro olefine (HFO), propane, isobutane, butane, pentane, isopentane, dimethyl ether, and combinations thereof.

28. The foam composition of claim 21, further comprising an emollient selected from the group consisting of mineral oil, white soft paraffin, isopropyl palmitate, glycerin, propylene glycol, and combinations thereof.

29. A foam composition comprising a base composition of:

about 1% to about 2% tapinarof,
about 80% to about 90% of a solvent, and
about 8% to about 15% of an emulsifier, and
about 5% to about 10% of the total weight of the base composition a propellant.

30. A foam composition comprising a base composition of:

about 0.5% to about 2% tapinarof,

about 85% to about 95% of a solvent, and

about 3% to about 10% of an emulsifier, and

about 5% to about 10% of the total weight of the base composition a propellant.

31. A composition of any one of claims 1-30, for use in the treatment of a dermatological condition or disorder.

32. Use of a composition of any one of claims 1-30 in the manufacture of a medicament for treating a dermatological condition or disorder.