

What is claimed is:

1. A storage stable topical composition comprising:
 - a. 5% to 28% by weight ascorbic acid;
 - b. 5% to 20% by weight of a urea agent;
 - c. 2% to 30% by weight of a chemical exfoliant; and
 - d. less than 10% by weight in total of one or more optional additional components;
 - e. dissolved in a non-aqueous skin-compatible solvent comprising polyol, C₍₂₋₆₎ alkanediol, glycol ether, dimethyl ether, ethanol, isopropyl alcohol, or a combination thereof, wherein the ascorbic acid is dissolved at a concentration [AA] that is above its maximum concentration in the solvent alone [X], and the urea is dissolved at a concentration that is at least $([AA]-[X])*1.25$.
2. The composition of claim 1, wherein the composition demonstrates less than 5 mol % degradation of the ascorbic acid after storage for 6 weeks at 40° C ± 2° C in a sealed container.
3. The composition of claim 1, wherein the composition demonstrates less than 2 mol % degradation of the ascorbic acid after storage for 6 months at 40° C ± 2° C in a multi-use container.
4. The composition of claim 1, wherein the composition demonstrates less than 5 mol % degradation of the ascorbic acid after storage for 12 months at 40° C ± 2° C in a multi-use container.
5. The composition of claim 1, wherein the urea agent is urea.
6. The composition of claim 1, wherein the urea agent is hydroxyethyl urea.
7. The composition of claim 1, wherein the urea agent comprises a mixture of urea and hydroxyethyl urea.
8. The composition of any one of claims 1-7, wherein the composition comprises 5-20% of the urea agent.

9. The composition of any one of claims 1-7, wherein the composition comprises 5-15% of the urea agent.
10. The composition of any one of claims 5-7, wherein the composition comprises 5-10% of the urea agent.
11. The composition of any one of claims 1-10, wherein the composition comprises 5-25% ascorbic acid.
12. The composition of any one of claims 1-10, wherein the composition comprises 5-25% ascorbic acid.
13. The composition of claims 1-10, wherein the composition comprises 20-25% ascorbic acid.
14. The composition of any one of claims 1-13, wherein the solvent is selected from 1,3 propanediol, 1,2 propanediol, 1,3 butanediol, 1,5 pentanediol, 1,2 hexanediol, 1,6 hexanediol, glycerol, diglycerol, ethoxydiglycol, ethanol, isopropyl alcohol, and dimethyl isosorbide.
15. The composition of claim 14, wherein the solvent is 1,3 propanediol.
16. The composition of claim 14, wherein the solvent is a mixture of 1,3 propanediol and 1,2 hexanediol.
17. The composition of any one of claims 1-16, wherein the chemical exfoliant is an alpha hydroxy acid or a benzoic acid.
18. The composition of any one of claims 1-17, wherein the chemical exfoliant is selected from glycolic acid, lactic acid, mandelic acid, salicylic acid, capryloyl salicylic acid, salicyloyl phytosphingosine, phenol, gluconolactone, lactobionic acid, maltobionic acid, and combinations thereof.
19. The composition of claim 17 or 18, wherein the chemical exfoliant is salicylic acid.

20. The composition of claim 19, wherein the composition comprises 2-20% by weight of salicylic acid.
21. The composition of claim 20, wherein the composition comprises 2% by weight of salicylic acid.
22. The composition of claim 20, wherein the composition comprises 5-15% by weight of salicylic acid.
23. The composition of claim 22, wherein the composition comprises 10% by weight of salicylic acid.
24. The composition of any one of claims 1-23, wherein the one or more optional additional components are selected from tocopherols, tocotrienols (e.g., alpha, beta, delta and gamma tocopherols or alpha, beta, delta and gamma tocotrienols), azelaic acid, cinnamic acid or cinnamic acid derivative, panthenol, pinus pinaster bark extract, emulsifying agent, hyaluronic acid complex, madecassoside, madecassoside asiaticoside, acetyl zingerone, bakuchiol, Diglycerin, bis ethylhexylhydroxydimethoxybenzylmalonate, and dimethyl isosorbide.
25. The composition of any one of claims 1-24, wherein the composition comprises:
 - 25% by weight of ascorbic acid;
 - 20% by weight of the urea agent; and
 - 2% by weight of salicylic acid;
 - dissolved in 53% by weight of 1,3 propanediol.
26. The composition of any one of claims 1-24, wherein the composition comprises:
 - 20% by weight of ascorbic acid;
 - 17% by weight of the urea agent; and
 - 10% by weight of salicylic acid;
 - 53% by weight of 1,3 propanediol.

27. The composition of any one of claims 1-24, wherein the ratio of ascorbic acid to urea agent is 1.0 to 2.2.
28. The composition of any one of claims 1-24, wherein the ratio of ascorbic acid to urea agent is 1.10 to 1.25.
29. The composition of claim 24, wherein the one or more optional additional components comprise acetyl zingerone.
30. The composition of claim 29, wherein the composition comprises 2% or less by weight of the acetyl zingerone.
31. The composition of claim 30, wherein the composition comprises about 0.5% by weight of the acetyl zingerone.
32. The composition of claim 24, wherein the one or more optional additional components comprise a cinnamic acid or cinnamic acid derivative.
33. The composition of claim 32, wherein the cinnamic acid derivative is selected from ferulic acid, caffeic acid, coumaric acid, sinapinic acid, and derivatives thereof.
34. The composition of claim 33, wherein the composition comprises 0.1 to 2% by weight of the ferulic acid.
35. The composition of claim 33, wherein the composition comprises 1% or less by weight of the ferulic acid.
36. The composition of claim 33, wherein the composition comprises about 0.5% by weight of the ferulic acid.

37. The composition of any one of claims 1-36, wherein the composition comprises 40-60% by weight of the solvent comprising propanediol.
38. The composition of any one of claims 1-37, wherein the composition comprises 53% by weight of the solvent comprising propanediol.
39. The composition of any one of claims 1-37, wherein the composition comprises 43% by weight of the solvent comprising propanediol.
40. The composition of any one of claims 1-37, wherein the composition comprises 43% by weight of the solvent comprising propanediol and 10% of Dimethyl Isosorbide.
41. The composition of claim 24, wherein the one or more optional additional component comprises 0.5% by weight of diglycerin and pinus pinaster bark extract.
42. The composition of any one of claims 1-23, wherein the one or more optional additional component comprises azelaic acid.
43. The composition of claim 42, wherein the composition comprises 3% to 10% by weight of the azelaic acid.
44. The composition of claim 42, wherein the composition comprises about 7.5% by weight of the azelaic acid.
45. The composition of any one of claims 1-23, wherein the one or more optional additional components comprises madecassoside.
46. An emulsion composition, comprising:
the composition according to any one of claims 1-45;
an oil component; and
an optional emulsifying agent.

47. The emulsion composition of claim 46, wherein the oil component is silicone-based.
48. The emulsion composition of claim 46 or 47, wherein the emulsion composition comprises an emulsifying agent.
49. The emulsion composition of claim 48, wherein the emulsifying agent is selected from polysorbates, laureth-4, potassium cetyl sulfate and silicone and silicone-elastomer-based emulsifiers and emulsifying blends.
50. A ready-to-use topical preparation of a storage stable composition in a multi-use container which is pre-filled with the storage stable topical composition according to any one of claims 1-44, wherein the multi-use container comprises means for dispensing a single dose of the storage stable topical composition.
51. The preparation of claim 50, wherein the storage stable topical composition demonstrates less than 5 mol % degradation of the ascorbic acid after storage for 6 weeks at $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ in the container.
52. The preparation of claim 51, wherein the storage stable topical composition demonstrates less than 5 mol % degradation of the ascorbic acid after storage for 6 months at $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ in the container.
53. The preparation of any one of claims 50-52, wherein the storage stable topical composition is sealed in the container.
54. The preparation of any one of claims 50-53, wherein the container is placed in packaging.
55. A process for preparing a stable topical composition, the process comprising:
combining:
i. 5% to 28% by weight ascorbic acid

- ii. 5% to 20% by weight of a urea agent;
 - iii. 2% to 30% by weight of a chemical exfoliant; and
 - iv. less than 10% by weight in total of one or more optional additional components; with
 - v. a non-aqueous skin-compatible solvent comprising polyol, C(2-6) alkanediol, glycol ether, dimethyl ether, ethanol, isopropyl alcohol, or a combination thereof, wherein the ascorbic acid is dissolved at a concentration [AA] that is above its maximum concentration in the solvent alone [X], and the urea is dissolved at a concentration that is at least $([AA]-[X])*1.25$.
56. A product produced by the process according to claim 55.
57. The product of claim 56, wherein the product is a chemical peeling formulation.