CLAIMS

1. A composition comprising: 75% to 94% by weight of glyceryl linoleate, 5% to 10% by weight of glyceryl linolenate, 5% to 10% by weight of xymenynic acid, and 1% to 5% by weight of *Pterocarpus Marsupium* bark extract.

2. The composition of claim 1, wherein the composition comprises 80% by weight of glyceryl linoleate.

3. The composition of claim 1, wherein the composition comprises 10% by weight of glyceryl linolenate.

4. The composition of claim 1, wherein the composition comprises 7% by weight of xymenynic acid.

5. The composition of claim 1, wherein the composition comprises 3% by weight of *Pterocarpus Marsupium* bark extract.

6. The composition of claim 1, wherein the composition comprises: 80% by weight of glyceryl linoleate, 10% by weight of glyceryl linolenate, 7% by weight of xymenynic acid, and 3% by weight of *Pterocarpus Marsupium* bark extract.

7. A topical formulation comprising the composition of any one of claims 1-6 and one or more pharmaceutically or cosmetically acceptable excipients, wherein the composition comprises 0.5% to 5% by weight of the formulation and wherein the formulation is suitable for topical administration.

8. The topical formulation of claim 7, wherein the topical formulation comprises 1%, 3%, or 5% of the composition by weight.

9. The topical formulation of claim 7, wherein the topical formulation comprises 1% of the composition by weight.

10. The topical formulation of claim 7, wherein the topical formulation comprises 3% of the composition by weight.

11. The topical formulation of claim 7, wherein the topical formulation comprises 5% of the composition by weight.

12. A cosmetic method for inducing skin barrier repair in a subject, the method comprising topically administering a topical formulation of any one of claims 7-11 to the subject.

13. The cosmetic method of claim 12, wherein inducing skin barrier repair results in the biosynthesis of barrier lipids and proteins in the skin selected from the group consisting of ceramides, filaggrin, trans-glutaminase 1, TGFB1, keratins, LCE1D, CERS3, CDH1, FOXO1, HSP27, involucrin, loricrin, beta-glucocerebrosidase, aquaporin 3, ABCA12, ADRP, FIAF, and combinations thereof.

14. The cosmetic method of claim 12, wherein inducing skin barrier repair results in the modulation of the expression of barrier genes in the skin selected from the group consisting of ceramides, filaggrin, trans-glutaminase 1, TGFB1, keratins, LCE1D, CERS3, CDH1, FOXO1, HSP27, involucrin, loricrin, beta-glucocerebrosidase, aquaporin 3, ABCA12, ADRP, FIAF and combinations thereof.

15. A cosmetic method for improving aging skin in a subject, the method comprising topically administering a topical formulation of any one of claims 7-11 to the subject.

16. The method of claim 15, wherein the improvement of aging skin is selected from the group consisting of smoothness, hydration and texture.

17. A cosmetic method for improving the look of skin in a subject, the method comprising topically administering a topical formulation of any one of claims 7-11 to the subject.

18. A cosmetic method for improving skin brightening in a subject, the method comprising topically administering a topical formulation of any one of claims 7-11 to the subject.

19. A cosmetic method for maintaining healthy hair in a subject, the method comprising topically administering a topical formulation of any one of claims 7-11 to the subject.

20. A cosmetic method for improving the look and feel of hair in a subject, the method comprising topically administering a topical formulation of any one of claims 7-11 to the subject.