Skin Barrier Protection Ointment / Balm

Products Highlighted: L22®, Floramac® 10, Florasun® 90, Floraesters® 20, Floraesters 30, Floraesters 60, Floramac Macadamia Oil Refined, and Floraesters K-100® Jojoba

Floraesters protect the skin and help improve barrier function in this moisturizing, occlusive ointment. This anhydrous formulation boasts a robust combination of Floratech ingredients proven to improve skin hydration, reduce TEWL, and promote barrier recovery while improving stability of formulations.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	q.s.
	Purac® Hipure 90	Lactic Acid	Corbion	0.65
	Floraesters K-100 Jojoba	**Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)**	**Floratech**	**5.00**
	Nomcort® HK-P	Polyglyceryl-10 Behenate Eicosadioate	Nisshin Oillio Mills Ltd.	1.20
B.	**Floramac 10**	**Ethyl Macadamiate**	**Floratech**	**14.00**
	Floramac Macadamia Oil Refined	**Macadamia Integrifolia Seed Oil**	**Floratech**	**20.25**
	Florasun 90	**Helianthus Annuus (Sunflower) Seed Oil**	**Floratech**	**4.00**
	L22	**Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol**	**Floratech**	**4.00**
	Floraesters 20	**Jojoba Esters**	**Floratech**	**8.00**
	Floraesters 30	**Jojoba Esters**	**Floratech**	**8.00**
	Floraesters 60	**Jojoba Esters**	**Floratech**	**10.00**
	Nomcort® SG	Glyceryl Behenate/Isostearate Eicosandioate	Nisshin Oillio Mills Ltd.	5.50
	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	BASF Corporation	1.00
	Thixcin® R PC	Trihydroxystearin	Elementis Specialties	2.80
C.	Preservative[1]	- - - - -	- - - - -	q.s.
			Total	**100.00**

Mixing Procedure

1. Mix the Floraesters K-100 Jojoba with the Purac Hipure 90 of Phase A with stirring agitation.
2. Add the Nomcort HK-P of Phase A and heat to 70-75°C. When the Nomcort HK-P is melted, mix with moderate propeller agitation.
3. Add the Glycerin 99.7% USP Kosher of Phase A at 70-75°C with moderate propeller agitation until uniform. Cool to room temperature. Stop mixing at 60-65°C.
4. In a separate vessel, mix the ingredients of Phase B and heat to 60-65°C with slow to moderate propeller agitation.
5. Shift Phase B to moderate to high homomixing agitation at 60-65°C. Utilize brief moderate to high homomixing agitation to activate the Thixcin R PC.
6. Shift Phase B to moderate propeller mixing at 60-65°C.
7. Heat Phase A to 40-45°C.
8. Add Phase A to Phase B with slow to moderate propeller mixing at 60-65°C until uniform. Cool to 55-60°C.
9. Add Phase C to Phase AB with moderate propeller agitation and briefly mix at 55-60°C.
10. Stop mixing at 55°C.

Typical Properties: pH: 7 - 8

[1] *Preservative: Bronidox® 1160 [INCI: Phenoxyethanol] provided by BASF Corporation*

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Demo Available *Efficacy Data Available (ref. Claim Sheet CS19-135: Barrier Ointment / Balm Improved with Floraesters)*