



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 Purac® Hipure 90 Floraesters K-100 Jojoba	Glycerin Lactic Acid Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Acme-Hardesty Co. Corbion Floratech	q.s. 0.65 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

- Mix the Floraesters K-100 Jojoba with the Purac Hipure 90 of Phase A with stirring agitation.
- 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.
- 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.
- In a separate vessel, mix the ingredients of Phase B and heat to 60-65°C with slow to moderate propeller agitation.
- 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.
- Shift Phase B to moderate propeller mixing at 60-65°C.
- Heat Phase A to 40-45°C.
- Add Phase A to Phase B with slow to moderate propeller mixing at 60-65°C until uniform. Cool to 55-60°C.
- Add Phase C to Phase AB with moderate propeller agitation and briefly mix at 55-60°C.
- Stop mixing at 55°C.

Typical Properties: pH: 7 - 8

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

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability, stability or safety of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent or in the treatment, prevention, or cure of any medical condition. INCI/trade names must be verified with each manufacturer. (Cleared for Public Disclosure)