



L22 Night Repair Face Cream

Products Highlighted: L22®, Floraesters K-100® Jojoba, Floralipids® Moringa Butter, Floraesters® 20, and Floraesters 60



a Cargill company

L22 Night Repair Face Cream is a creamy, rich, and substantial formulation which applies evenly and smoothly onto the skin and produces occlusive properties. The occlusive nature helps the skin to retain moisture overnight. This cream contains ingredients designed to repair the skin. Floratech's new L22 emollient base was developed to be the botanical equivalent of the skin lipid profile of a healthy young adult. This formula contains the proven long-term skin hydration technology of Floraesters K-100 Jojoba and glycerin (ref. CS09-015¹).

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Versene® Na2 Crystals	Disodium EDTA	The Dow Chemical Co.	0.10
	Chelating Agent			
	Keltrol® CG	Xanthan Gum	CP Kelco	0.18
	Butylene Glycol	Butylene Glycol	Making Cosmetics	4.00
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co	2.00
	Floraesters K-100 Jojoba²	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Floratech	0.50
B.	L22	Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol	Floratech	8.50
	Floralipids Moringa Butter	Moringa Oil/ Hydrogenated Moringa Oil Esters	Floratech	3.50
	Floraesters 20	Jojoba Esters	Floratech	1.18
	Floraesters 60	Jojoba Esters	Floratech	0.20
	Vegetable Squalene	Squalene	Ekiz Yag ve Sabun Sanayii A.S.	0.67
	Lexemul® 515	Glyceryl Stearate	Inolex	0.50
	Element14®* PDMS 200	Dimethicone	Momentive Performance Materials	0.80
Actique® Ceramide	Ceramide NG	Jarchem Industries, Inc.	0.10	
PlantaMulse Pastilles	Polyglyceryl-3 Methylglucose Distearate	The Herbarie	3.00	
C.	Deionized Water	Water	-----	30.00
	Natrosol® Plus 330 CS	Cetyl Hydroxyethyl Cellulose	Ashland	0.50
D.	Sepigel® 305	Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7	Seppic	0.80
E.	Ajidev® N-50	Sodium PCA	Ajinomoto Co., Inc.	0.50
	Urea, ACS	Urea	Alfa Aesar	0.30
	Sodium Hyaluronate Powder (1% Solution)	Sodium Hyaluronate (and) Water	Tri-K Industries Inc.	0.50
	Preservative ³	-----	-----	q.s.
F.	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.
Total				100.00

Mixing Procedure

- Mix the Versene Na2 Crystals Chelating Agent into the deionized water of Phase A using moderate propeller agitation. Add the Keltrol CG and heat to 75-80°C. Once the Keltrol CG is fully hydrated mix the remaining ingredients of Phase A in a separate vessel, and combine the ingredients of Phase A.
- In a separate vessel, mix all ingredients of Phase B at 75-80°C.
- Add Phase B to Phase A with rapid propeller agitation at 75-80°C.
- Start cooling Phase AB under moderate propeller agitation.
- In a separate vessel, mix ingredients of Phase C at 40°C to make a clear gel.
- Add Phase C and D to Phase AB at 60-65°C. Start cooling the batch.
- Add Phase E to Phase ABCD at 35-40°C.
- Add Phase F until the desired pH is obtained.

¹ Floratech Claim Sheet CS09-015: Increased Skin Hydration with Floraesters K-100 Jojoba

² Floraesters K-100 Jojoba can also be directly added to and dispersed within the oil phase (Phase B).

³ Preservative: Lincoserve® CG-5 [INCI: Caprylyl Glycol (and) Phenoxyethanol (and) Hexylene Glycol (and) Potassium Sorbate (and) Water] supplied by Lincoln Fine Ingredients

Typical Properties: pH: 5 - 6
Viscosity: 116 - 234kcp

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)