




# L22 Night Repair Face Cream

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



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 22-year-old. This formula contains the proven long-term skin hydration technology of Floraesters K-100 Jojoba and glycerin (ref. CS 09-015<sup>1</sup>). 

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
	Keltrol® CG	Xanthan Gum	CP Kelco	0.18
	1,3-BG	Butylene Glycol	Nexeo Solutions	4.00
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co	2.00
	<b>Floraesters K-100 Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>0.50</b>
B.	<b>L22</b>	<b>Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol</b>	<b>Floratech</b>	<b>8.50</b>
	<b>Floralipids Moringa Butter</b>	<b>Moringa Oil/ Hydrogenated Moringa Oil Esters</b>	<b>Floratech</b>	<b>3.50</b>
	<b>Floraesters 20</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>1.18</b>
	<b>Floraesters 60</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>0.20</b>
	Vegetable Squalene	Squalene	Ekiz Yag ve Sabun Sanayii A.S.	0.67
	Lexemul® 515	Glyceryl Stearate	Inolex Chemical Co.	0.50
	Element14* PDMS 200	Dimethicone	Momentive Performance Materials	0.80
Ceramide 2	Ceramide 2	Sederma, Inc.	0.10	
Tego® Care 450	Polyglyceryl-3 Methylglucose Distearate	Evonik Industries AG	3.00	
C.	Deionized Water	Water	-----	30.00
	Natrosol® Plus 330 CS	Cetyl Hydroxyethyl Cellulose	Ashland, Inc.	0.50
D.	Sepigel® 305	Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7	Seppic	0.80
E.	Ajidew® 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 <sup>2</sup>	-----	-----	q.s.
F.	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Company	q.s.
<b>Total</b>				<b>100.00</b>

## Mixing Procedure

- Mix the Versene Na2 Crystals 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 add the Phase A mixture.
- 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.

<sup>1</sup> Floratech Claim Sheet CS 09-015: Increased Skin Hydration with Floraesters K-100 Jojoba

<sup>2</sup> 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: ~600kP

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 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)