



# L22 Day Cream with Sunscreen Actives



a **Cargill** company

Products Highlighted: L22®, Floramac® 10, and Floraesters K-20W® Jojoba

L22 Day Cream builds upon the proven long-acting skin moisturization synergy observed with the combination of Floraesters® K-20W Jojoba and glycerin (ref. CS09-014<sup>1</sup>). This cream is fortified with L22, Floratech’s new and patented emollient base, developed to be the botanical equivalent of the skin lipid profile of a healthy young adult. The formula includes two sunscreen actives and a sunscreen booster. The high slip and easy spreadability of the L22 Day Cream make for fast and easy application; quickly absorbing into the skin, leaving it soft and supple.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	<b>Floramac 10</b> Univul® MC80 Hydresia® SF-2	<b>Ethyl Macadamiate</b>	<b>Floratech</b>	<b>1.00</b>
		Ethylhexyl Methoxycinnamate	BASF Corporation	2.00
		Carthamus Tinctorius (Safflower) Oleosomes (and) Water	Botaneco Specialty Ingredients	12.00
B.	<b>L22</b>  Eusolex® 9020	<b>Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol</b>	<b>Floratech</b>	<b>5.00</b>
		Butyl Methoxydibenzoylmethane	EMD Chemicals, Inc.	0.50
C.	Deionized Water Aristoflex® AVC  Glycerine 99.7% USP Kosher <b>Floraesters K-20W Jojoba</b>	Water	-----	q.s.
		Ammonium Acryloyldimethyl Taurate/VP Copolymer	Clariant Corporation	1.00
		Glycerin <b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	Acme-Hardesty Co <b>Floratech</b>	2.00 <b>1.00</b>
D.	Deionized Water Natrosol® 250 HR CS	Water	-----	30.00
		Hydroxyethylcellulose	Ashland	0.40
E.	AMP-Ultra® PC 2000, Neutralizing Amine (10% Solution) Preservative <sup>2</sup>	Aminomethyl Propanol (and) Water	Angus Chemical Company	q.s.
		-----	-----	q.s.
			<b>Total</b>	<b>100.00</b>

## Mixing Procedure

- Mix Phase A with moderate propeller agitation at room temperature. Heat the Phase to 70-75°C.
- Mix Phase B at 70-75°C. Add Phase B to Phase A with moderate propeller agitation at 70-75°C.
- Mix the deionized water, Glycerine 99.7% USP Kosher, and Floraesters K-20W Jojoba of Phase C in a separate vessel with moderate propeller agitation at 70-75°C. Slowly add the Aristoflex AVC to make a gel.
- In a separate vessel, heat the deionized water of Phase D at 70-75°C. Add the Natrosol 250 HR CS into the deionized water with moderate propeller agitation at 70-75°C.
- Slowly add Phase D to Phase C with moderate propeller agitation at 70-75°C.
- Slowly add Phase AB to Phase CD with rapid to moderate propeller agitation at 70-75°C. Mix until uniform.
- Start cooling. Add Phase E into Phase ABCD at 40-45°C.
- Continue cooling the mixture to room temperature.

<sup>1</sup> Floratech Claim Sheet CS09-014: Increased Skin Hydration with K-20W Jojoba Plus Glycerin

<sup>2</sup> Preservative: Phenonip® [INCI: Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben] supplied by Clariant Corporation

**Typical Properties:** pH: 5 - 7  
Viscosity: 116 - 200kcp

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. Cargill has not tested L22, Floramac 10, or Floraesters K-20W Jojoba in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer. (Cleared for Public Disclosure)

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