



a Cargill company

# Lightweight Face & Body Moisturizer

Products Highlighted: Emulsun®, L22®, Floramac® 10, Floraesters® 20, Floraesters 30, and Floraesters K-20W® Jojoba



This all natural, low viscosity milky moisturizer leaves skin feeling soft and supple. Emulsun creates a stable milky formulation with low viscosity while contributing high moisturization. L22 targets mature skin by providing long term hydration and improving elasticity and firmness. Floraesters provide an oil-free emolliency that addresses immediate skin hydration needs and improves barrier function; and Floraesters K-20W Jojoba reduces the appearance of fine lines and enlarged pores. This calculated blend of Floratech emollients results in a lotion that effectively combats the signs of aging. \*

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Structure Solanace Starch	Potato Starch Modified	Nouryon	1.00
	Natrosol® 250-HR	Hydroxyethylcellulose	Ashland	0.20
	Keltrol® CG	Xanthan Gum	CP Kelco	0.20
B.	<b>Emulsun</b>	<b>Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate</b>	<b>Floratech</b>	<b>3.00</b>
	<b>Floramac 10</b>	<b>Ethyl Macadamiate</b>	<b>Floratech</b>	<b>2.00</b>
	<b>Floraesters 20</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>1.50</b>
	<b>Floraesters 30</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>4.50</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>1.00</b>
	Actique® Ceramide	Ceramide NG	Jarchem Industries, Inc.	0.10
	C.	Deionized Water	Water	-----
Glycerine 99.7% USP Kosher		Glycerin	Acme-Hardesty Co.	3.50
<b>Floraesters K-20W Jojoba</b>		<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>4.00</b>
D.	Preservative <sup>1</sup>	-----	-----	q.s.
	Citric Acid (10% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.
<b>Total</b>				<b>100.00</b>

## Mixing Procedure

1. Combine the ingredients of Phase A at room temperature with moderate to rapid propeller agitation. Once completely dispersed, heat to 75-80°C.
2. In a separate vessel, add the ingredients of Phase B except the Actique Ceramide and the Emulsun. Heat to 75-80°C with moderate propeller agitation.
3. Add the Actique Ceramide and the Emulsun of Phase B at 75-80°C with moderate propeller agitation until uniform.
4. Add Phase B to Phase A with moderate homogenization at 75-80°C. Mix until uniform and then shift to moderate propeller agitation. Cool Phase AB to 60-65°C.
5. In a separate vessel, mix all the ingredients of Phase C until uniform.
6. Add Phase C to Phase AB with moderate propeller agitation. Once uniform, cool Phase ABC to 50-55°C.
7. Add Phase D to Phase ABC with moderate propeller agitation. Once uniform, cool Phase ABCD to 40-45°C.
8. Stop mixing at 40-45°C.

Typical Properties: pH: 5 - 6  
Viscosity: 40 - 67kcp

<sup>1</sup> Preservative: Spectrastat G2 Natural MB [INCI: Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin] supplied by Inolex

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)