



a Cargill company

Sprayable Milky Lotion with L22 and Emulsun

Products Highlighted: *Emulsun®*, *L22®*, *Floramac® 10*, *Floramac Macadamia Oil Refined*, and *Floralipids® Moringa Oil Refined*



This lightweight body lotion was formulated using a robust lineup of Floratech ingredients working together to hydrate the skin, increase skin elasticity, and improve barrier function. Emulsun's flexibility in formulations is showcased within this low-viscosity, moisture-rich lotion. 

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt	
A.	Deionized Water	Water	-----	q.s.	
	Versene® Na2 Crystals Chelating Agent	Disodium EDTA	The Dow Chemical Co.	0.10	
	Veegum® HV	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	0.75	
	Glycerin	Glycerin	Cargill Beauty	3.00	
	Satiaxane® VPC 911	Xanthan Gum	Cargill Beauty	0.15	
B.	Floramac 10	Ethyl Macadamiate	Floritech	2.00	
	Floramac Macadamia Oil Refined	Macadamia Integrifolia Seed Oil	Floritech	2.00	
	Floralipids Moringa Oil Refined	Moringa Oleifera Seed Oil	Floritech	1.00	
	L22	Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol	Floritech	2.00	
	Pelemol® IN-2	Isononyl Isononanoate	Phoenix Chemical, Inc.	2.00	
	Emulsun	Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Floritech	2.00	
	D-Alpha Tocopheryl Acetate	Tocopheryl Acetate	Cargill Beauty	0.10	
	Vitamin A Palmitate	Retinyl Palmitate	DSM Nutritional Products	0.01	
	C.	Citric Acid (10% Solution) Preservative ¹	Citric Acid (and) Water	Cargill Beauty	q.s.
			-----	-----	q.s.
Total				100.00	

Mixing Procedure

- Mix the Versene Na2 Crystals Chelating Agent with the deionized water of Phase A in the main vessel using moderate propeller agitation. In a separate vessel, mix the Satiaxane VPC 911 and Veegum HV with the Glycerin and add to the main vessel. Heat to 75-80°C. Allow sufficient mixing time for proper hydration.
- In a separate vessel, mix the ingredients of Phase B except the Emulsun and the Vitamin A Palmitate and heat to 75-80°C. Mix with slow to moderate propeller agitation until uniform.
- Add the Vitamin A Palmitate to Phase B at 75-80°C. Mix with slow to moderate propeller agitation.
- When the mixture becomes clear, add the Emulsun. Mix with slow to moderate propeller agitation.
- Add Phase B to Phase A with rapid-moderate propeller agitation at 75- 80°C.
- When the mixture becomes uniform, cool to 55-60°C with slow to moderate propeller agitation.
- Add Phase C to Phase AB at 55°C with slow to moderate propeller agitation.
- Stop mixing at 45-50°C.

Typical Properties: **pH: 6 - 7**
Viscosity: 40 - 52kcp

¹ Preservative: *euxyl® PE 9010* [INCI: *Phenoxyethanol (and) Ethylhexylglycerin*] supplied by *Schülke Inc.*

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)