



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	Disodium EDTA	The Dow Chemical Co.	0.10	
	Veegum® HV	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	0.75	
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	3.00	
	Keltrol® CG	Xanthan Gum	CP Kelco	0.15	
B.	Floramac 10	Ethyl Macadamiate	Floratech	2.00	
	Floramac Macadamia Oil Refined	Macadamia Integrifolia Seed Oil	Floratech	2.00	
	Floralipids Moringa Oil Refined	Moringa Oleifera Seed Oil	Floratech	1.00	
	L22	Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol	Floratech	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	Floratech	2.00	
	Vitamin E Acetate	Tocopheryl Acetate	Essential Ingredients	0.10	
	Vitamin A Palmitate	Retinyl Palmitate	DSM Nutritional Products	0.01	
	C.	Citric Acid (10% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.
		Preservative ¹	-----	-----	q.s.
			Total	100.00	

Mixing Procedure

- Mix the Versene Na2 Crystals with the deionized water of Phase A in the main vessel using moderate propeller agitation. In a separate vessel, mix the Keltrol CG and Veegum HV with the Glycerin 99.7% USP Kosher and add to the main vessel. Heat to 75-80°C.
- When Phase A becomes uniform, shift to homomixing. Mix Phase A with moderate homomixing agitation at 75-80°C and allow time for the Veegum HV to activate.
- 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 homomixing agitation at 75-80°C.
- When the mixture becomes uniform, shift the mixture to propeller mixing. 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 Euxyl® PE 9010 [INCI: Phenoxyethanol (and) Ethylhexylglycerin] supplied by Schülke & Mayr

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