



a Cargill company

Restorative Night Cream with Emulsun

Products Highlighted: *Emulsun®*, *Florasun® 90*, *Floramac® 10*, *Floralipids® Moringa Butter*, *Floramac Macadamia Oil Refined*, *Floraesters® 15*, *Floraesters 60* and *Floraesters 70*



This restorative night cream with Emulsun contains a robust combination of Floratech's natural ingredients for maximum performance, demonstrating Emulsun's versatile functionality. Emulsun, a naturally derived PEG-free emulsifier, flawlessly blends this unique emollient profile for a stable effective formulation, while also assisting with skin hydration and barrier function. 

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Keltrol® CG	Xanthan Gum	CP Kelco	0.20
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	1.50
B.	Florasun 90	Helianthus Annuus (Sunflower) Seed Oil	Floratech	3.52
	Floramac Macadamia Oil Refined	Macadamia Integrifolia Seed Oil	Floratech	3.52
	Myritol® 312	Caprylic/Capric Triglyceride	BASF Corporation	4.50
	Floralipids Moringa Butter	Moringa Oil / Hydrogenated Moringa Oil Esters	Floratech	2.50
	Floramac 10	Ethyl Macadamiate	Floratech	3.52
	Floraesters 15	Jobaba Esters	Floratech	6.00
	Floraesters 60	Jobaba Esters	Floratech	0.80
	Pelemol® IN-2	Isononyl Isononanoate	Phoenix Chemical, Inc.	5.30
	Actique® Ceramide	Ceramide NG	Jarchem Industries, Inc.	0.10
	Emulsun	Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Floratech	8.00
	C.	Citric Acid (10% Solution) Preservative ¹	Citric Acid (and) Water	Archer Daniels Midland Co.
		-----	-----	q.s.
Total				100.00

Mixing Procedure

- Mix the Keltrol CG with the Glycerin 99.7% USP Kosher of Phase A and add to the deionized water in the main vessel with moderate propeller agitation at room temperature. Begin heating to 75-80°C.
- In a separate vessel, combine all ingredients of Phase B except the Actique Ceramide and the Emulsun. Begin heating to 75-80°C with moderate mixing until uniform.
- Add the Actique Ceramide to Phase B at 75-80°C, and continue mixing.
- When the mixture becomes clear, add the Emulsun and continue mixing.
- Add Phase B to Phase A with rapid to moderate mixing (or homomixing) at 75-80°C.
- When the mixture becomes uniform, begin cooling to 55-60°C with moderate to slow mixing.
- Add Phase C to Phase AB at 55-60°C with moderate mixing.
- Keep cooling to 45-50°C with moderate to slow mixing.

Typical Properties: pH: 5 - 6
Viscosity: 239 - 384kcP

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)