



Healthy Shine Leave-In Hair Cream



a **Cargill** company

Products Highlighted: **Floramac® 10, Emulsun®**

Floramac 10 showcases its multifunctional abilities in this lightweight leave-in hair cream formula. Floramac 10 not only conditions the hair, but also reduces comb force (wet & dry), increases shine, and provides heat protection. Emulsun contributes a pleasing texture. This formulation is powerful enough to hydrate the hair, yet delicate enough to be used as leave-in conditioner without weighing down the hair. 🌿 🍷

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
B.	Floramac 10	Ethyl Macadamiate	Floratech	5.00
	Emulsun	Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Floratech	3.00
	SF1202	Cyclopentasiloxane	Momentive Performance Materials	1.00
C.	Deionized Water	Water	-----	q.s.
	Versene® Na2 Crystals Chelating Agent	Disodium EDTA	The Dow Chemical Co.	0.10
	Carbopol® Ultrez 10 Polymer	Carbomer	The Lubrizol Corporation	0.25
	AMP-Ultra® PC 2000, Neutralizing Amine	Aminomethyl Propanol	Angus Chemical Company	0.08
D.	AMP-Ultra® PC 2000, Neutralizing Amine	Aminomethyl Propanol	Angus Chemical Company	0.08
E.	Deionized Water	Water	-----	q.s.
	Glaudin Soy Benz Preservative ¹	Hydrolyzed Soy Protein	BASF Corporation	0.65
	Fragrance ²	-----	-----	q.s.
Total				100.00

Mixing Procedure

- Mix Phase A with moderate propeller agitation and heat to 70-75°C.
- In a separate vessel, mix all the ingredients of Phase B, except the SF1202, at 70-75°C with moderate propeller agitation.
- When the mixture becomes uniform, add the SF1202 to Phase B at 70-75°C with moderate propeller agitation.
- When Phase B becomes uniform, add to Phase A with moderate homomixing agitation at 70-75°C. Mix Phase AB until uniform.
- In a separate vessel, mix the Versene Na2 Crystals Chelating Agent with the deionized water of Phase C with propeller agitation. Add the Carbopol Ultrez 10 Polymer without propeller agitation for self-wetting.
- When the Carbopol Ultrez 10 Polymer is completely wet, add the AMP-Ultra PC 2000, Neutralizing Amine of Phase C with moderate propeller agitation. Heat to 70-75°C.
- Add Phase C to Phase AB at 70-75°C with moderate homomixing agitation.
- Shift to propeller agitation. Cool to 65-70°C with moderate propeller agitation.
- In a separate vessel, combine the ingredients of Phase D. At 65-70°C, add Phase D to Phase ABC with moderate propeller agitation. Cool to 60-65°C with moderate propeller agitation.
- Mix the ingredients of Phase E in a separate vessel. Add Phase E at 50-55°C with moderate propeller agitation. Cool to 45-50°C with moderate propeller agitation.
- Stop mixing at 45-50°C.

Typical Properties: pH: 5 - 6
Viscosity: 86 - 120kcP

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

² Fragrance: Sensuous Sandalwood [INCI: Fragrance] supplied by Bramble Berry

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)