



a Cargill company

Multi-Purpose Detangling Conditioner

Products Highlighted: *Floraesters K-100® Jojoba, Floramac® 10, Floralipids® Moringa Butter, and Floramac Macadamia Oil Refined*



This silicone-free detangling rinse-out conditioner leaves the hair smooth and manageable. Compatible with many quaternium compounds, Floraesters® K-100 Jojoba adds multiple benefits to conditioners including color protection, comb force reduction, and decreased hair breakage. This radiant conditioner tames frizz leaving hair silky and smooth. 🍷*

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
	Natrosol® Plus Modified Hydroxyethylcellulose	Cetyl Hydroxyethyl Cellulose	Ashland	0.10
B.	Floramac 10	Ethyl Macadamiate	Floratech	1.00
	Floramac Macadamia Oil Refined	Macadamia Integrifolia Seed Oil	Floratech	1.00
	Floralipids Moringa Butter	Moringa Oil / Hydrogenated Moringa Oil Esters	Floratech	1.00
	Eusolex® 2292	Ethylhexyl Methoxycinnamate (and) BHT	EMD Chemicals Inc.	1.00
	Lanette® 16	Cetyl Alcohol	BASF Corporation	3.00
	Ritamulse SCG	Glyceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Rita Corporation	4.00
	Botanimulse® DGMS	Polyglyceryl-2 Stearate	Botanigenics	1.00
Amphisol® K	Potassium Cetyl Phosphate	DSM Nutritional Products	0.15	
Vitamin E Acetate	Tocopheryl Acetate	Essential Ingredients	0.50	
C.	Zemea® Propanediol	Propanediol	DuPont Tate & Lyle BioProducts	1.00
	Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Floratech	1.00
D.	Deionized Water	Water	-----	5.00
	Preservative ¹	-----	-----	q.s.
	Microcare® Quat CTC 30	Centrimonium Chloride	Thor Specialties Ltd.	1.00
	Wheat Q	Hydroxypropyltrimonium Hydrolyzed Wheat Protein	Brenntag Specialties, Inc.	1.00
E.	Fragrance ²	-----	-----	q.s.
	Deionized Water	Water	-----	5.00
	Pyridoxine Hydrochloride	Pyridoxine Hydrochloride	DSM Nutritional Products	0.10
Niacinamide PC	Niacinamide	DSM Nutritional Products	0.25	
F.	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.
Total				100.00

Mixing Procedure

1. Add the Versene Na2 Crystals Chelating Agent to the deionized water of Phase A with moderate propeller agitation. Begin heating mixture to 75-80°C.
2. Once the Versene Na2 Crystals Chelating Agent are completely dissolved, slowly add the Natrosol Plus Modified Hydroxyethylcellulose. Keep mixing until the Natrosol Plus Modified Hydroxyethylcellulose is completely hydrated.
3. In a separate vessel, mix all of the ingredients of Phase B at 75-80°C.
4. Add Phase B to Phase A with rapid propeller agitation at 75-80°C to create an emulsion.
5. Once the mixture is uniform, begin cooling to 50-55°C.
6. In a separate vessel, mix the Floraesters K-100 Jojoba with the Zemea Propanediol of Phase C at room temperature. Add the deionized water of Phase C and mix until uniform.
7. Add Phase C to Phase AB with moderate propeller agitation at 50-55°C.
8. Add Phase D to Phase ABC in the order listed with moderate propeller agitation at 45-50°C.
9. In a separate vessel, mix all of the ingredients of Phase E and add to Phase ABCD with moderate propeller agitation at 45-50°C.
10. Add Phase F to Phase ABCDE at 45-50°C with moderate propeller agitation.
11. Continue cooling to room temperature.

Typical Properties: pH: 5 - 6
Viscosity: 44200 - 94300cP

¹ Preservative: Microcare® PHD [INCI: Phenoxyethanol (and) Decylene Glycol (and) Propylene Glycol] supplied by Thor Specialties Ltd.

² Fragrance: Refreshing Touch UAE03645/00 [INCI: Fragrance] supplied by Givaudan

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)