

# MULTI-PURPOSE DETANGLING CONDITIONER

with 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 Name	INCI	Supplier	%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	<b>Floramac 10</b>	<b>Ethyl Macadamiate</b>	<b>Cargill Beauty</b>	<b>1.00</b>
	<b>Floramac Macadamia Oil Refined</b>	<b>Macadamia Integrifolia Seed Oil</b>	<b>Cargill Beauty</b>	<b>1.00</b>
	<b>Floralipids Moringa Butter</b>	<b>Moringa Oil / Hydrogenated Moringa Oil Esters</b>	<b>Cargill Beauty</b>	<b>1.00</b>
	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
<b>Floraesters K-100 Jojoba</b>		<b>Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)</b>	<b>Cargill Beauty</b>	<b>1.00</b>
D	Deionized Water	Water	-----	5.00
	Preservative <sup>1</sup>	-----	-----	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 <sup>2</sup>	-----	-----	q.s.
	Deionized Water	Water	-----	5.00
	Pyridoxine Hydrochloride	Pyridoxine Hydrochloride	DSM Nutritional Products	0.10
F	Niacinamide PC	Niacinamide	DSM Nutritional Products	0.25
	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.

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

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

**PATENTS AND REGULATIONS** The information presented herein is intended to illustrate the possible technical applications of our products. However, since the use of this information and our products is beyond our control, any recommendations or suggestions are made without guarantee of warranty in each country and particularly in the absence of patent rights. In addition, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the finished product is to be consumed. It is the responsibility of the user to comply with the patents and the regulations in force.

Formula Number: H025, Revision Date: January 2023

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## PROCESS

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.

## CHARACTERISTICS

- pH: 5 - 6
- Viscosity: 44,200 - 94,300cP



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