

Hair Conditioner with Floraesters K-100

Formulation courtesy of

This eco-friendly conditioner is free of both quaternium compounds and silicone. **Floraesters K-100** Jojoba conditions the hair by taming the frizz, protecting colour, and providing manageability, while providing shine and softness to the hair.

Trade Name	INCI Name	Function	%W/W	Supplier
1 Deionized Water	Aqua	Solvent	q.s.	
2 Versene® Na2 Crystals	Disodium EDTA	Chelating Agent	0.1	Dow Chemical
3 Natrosol® 250 HR CS	Hydroxyethylcellulose	Thickener	0.1	Ashland, Inc.
4 Floramac 10	Ethyl Macadamiate	Emollient	1	Floratech
5 Floramac Macadamia Oil Refined	Macadamia Integrifolia Seed Oil	Emollient	1	Floratech
6 Floralipids Moringa Butter	Moringa Oil / Hydrogenated Moringa Oil Esters	Emollient	0.5	Floratech
7 Rain Forest RF3410- Cupaucu Butter Refined	Theobroma Grandiflorum Seed Butter (and) Tocopherol	Emollient	0.5	Beraca Ingredients
8 Eusolex® 2292	Ethylhexyl Methoxycinnamate (&) BHT	UV Filter	1	EMD Chemicals
9 Lanette® 16	Cetyl Alcohol	Co-Emulsifier	2	BASF Corporation
10 Crodacol S95-PA-(MH)	Stearyl Alcohol	Co-Emulsifier	2	Croda, Inc.
11 Ritamulse SCG	Glceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Emulsifier	5	Rita Corporation
12 Vitamin E Acetate	Tocopheryl Acetate	Vitamin	0.5	Essential Ingredients
13 Amihope® LL	Lauroyl Lysine	Texturiser	0.2	Ajinomoto Co. Inc.
14 Botanimulse® DGMS	Polyglyceryl-2 Stearate	Co-Emulsifier	1	Botanigenics, Inc.
15 Zemea® Propanediol	Propanediol	Humectant	1	DuPont Tate & Lyle BioProducts
16 Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Conditioning hair dye fading.	1	Floratech
17 Deionized Water	Aqua	Solvent	q.s.	
18 Microcare PHD	Phenoxyethanol (and) Decylene Glycol (and) Propylene Glycol	Preservative	q.s.	Thor Specialties, Ltd.
19 Fision KeraVeg18	Wheat Amino Acids (and) Soy Amino Acids (and) Arginine HCl (and) Serine (and) Threonine Amino Acids (and) Arginine HCl (and) Serine (and) Threonine	Hair identical amino acids	2	Tri-K Industries Inc.
20 Fragrance	Parfum	Perfume	q.s.	Premier
21 Deionized Water	Aqua	Solvent	q.s.	
22 Pyridoxine Hydrochloride	Pyridoxine Hydrochloride	Vitamin B6	0.1	DSM
23 Niacinamide PC	Niacinamide	Vitamin B3	0.25	DSM Nutritional

ProTec Ingredia Ltd
Unit 10, Delta Court, Manor Way, Borehamwood, Hertfordshire, WD6 1FJ, UK
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Registered in London No. 07517784 VAT No. GB 100 2120 14

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Method of Manufacture

Into the main vessel add:

Purified Water	Start the mixer on a moderate speed.	
Disodium EDTA	Mix until dissolved.	Commence heating the main vessel to 80C

Into the main vessel slowly add:

Natrosol 250HR CS	Mix until the Natrosol is completely hydrated.
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Into a suitable sized premix vessel add:

Floramac 10

Floramac Macadamia Oil Refined

Floralipids Moringa Butter

Rain Forest RF3410- Cupaucu Butter Refined

Eusolex® 2292

Lanette® 16

Crodacol S95-PA-(MH)

Ritamulse SCG

Vitamin E Acetate

Amihope® LL

Botanimulse® DGMS	Commence heating vessel to 75-80C.	Mix until homogenous
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Add the premix vessel to the main vessel, stir rapidly to create an uniform emulsion.

Begin cooling to 50 -55C.

Into a suitable sized premix vessel add:

Floraesters K-100

Propanediol

Water	Mix until uniform
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Add the premix into the main vessel.

Mix at moderate speed at 50 - 55°C.

Into the main vessel add:

Preservative	
Fision KeraVeg18	
Fragrance	Mix at a moderate speed at 45 - 50 °C

In a separate vessel add:

Water

Pyridoxine Hydrochloride

Niacinamide PC	Mix at a moderate speed
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Add this into the main vessel and mix at a moderate speed at 45 - 50 °C

Cool to 23C and check product specifications.

Product Specifications

pH	5.0 - 6.0
Viscosity	1800 - 9700cP
Colour	White
Appearance	Opaque mobile liquid.

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