



Soft Beard Conditioner

Danox® HC-30 is a unique blend of two complimentary cationic conditioning agents combined with fatty alcohol, which provides an easy to use ready-made conditioning system for hair. The shine and conditioning benefits have been enhanced with a non-ionic conditioning agent also from Kao Chemicals; **Sofcare GP-1**.

Marshmallow Root Infused Oil is a cost effective ingredient, which promotes hair growth (due to its high content of plant proteins), providing a pleasant aroma/flavour profile. Hair growth is further enhanced with **Prohairin-β4**. For the stability a broad spectrum preservative has been used, **Purox S Grains** in conjunction with **MicroCurb OC**, a natural stabilizer extracted from oregano.

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PERSONAL CARE

	Trade name	INCI name	Supplier	%
A	1	Water (Aqua)	Univar*	51.75
	2	Danox® HC-30 Behenamidopropyl Dimethylamine, Dipalmitoylethyl Hydroxyethylmonium Methosulfate, Cetyl Alcohol, Stearyl Alcohol, Lactic Acid	Kao Chemicals Europe / Univar*	8.00
B	3	Apricot Butter <i>Prunus armeniaca</i> Kernel Oil (and) Hydrogenated <i>prunus armeniaca</i> Kernel Oil	Kerfoot / Univar*	10.00
	4	Marshmallow Root Infused Oil <i>Althaea officinalis</i> Root & Helianthus Annuus (Sunflower) Seed Oil	Kerfoot / Univar*	2.00
	5	Sofcare® GP-1 PPG-3 Caprylyl Ether	Kao Chemicals Europe / Univar*	1.00
C	6	Water (Aqua)	Univar*	20.00
	7	Glycerin	Univar*	3.00
	8	Purox® S Grains Sodium Benzoate	Emerald Kalama Chemical b.v. / Univar*	0.50
	9	Xiameter® PMX 200 Silicone Fluid 350 cs Dimethicone	Xiameter / Univar*	0.50
	10	Cucumber Mint SY149742 Parfum / Fragrance	Kao Fragrances / Univar*	0.25
D	11	Prohairin-β4 Encapsulated solution 500 ppm Octapeptide-2	Caregen / Univar*	2.00
	12	KPC MT50 Mixed Tocopherol, Soybean Oil	Kemin / Univar*	0.50
	13	MicroCurb™ OC Caprylic Acid, <i>Origanum vulgare</i> Leaf Extract	Kemin / Univar*	0.50
E	14	Lactic Acid (88%) Lactic Acid	Jungbunzlauer / Univar*	Qs to pH 4

Procedure (Hot Process)

- Heat phase A to 85°C.
- Combine phase B ingredients and heat to 85°C.
- Add phase B into phase A with strong stirring until homogeneous.
- Maintain at 75-80°C for 30-45 min at 400 rpm until uniform.
- Combine phase C at room temperature while stirring until homogeneous.
- Add phase C to the hot blend A/B while stirring until homogeneous.
- When the temperature is below 40°C, add the ingredients one by one from phase D.
- Adjust pH to 4 if needed with phase E.

Stability

Stable at least 1 month at room temperature and 40°C (still ongoing).

Comments

- Viscosity (spindle 3; 4 rpm; 1 min) = 18,875 cPs (75.9%)
- pH = 4.49
- Opaque emulsion which is stable in glass container.

* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

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