Hair Conditioner

Formulation Reference: FM00233/A

A daily hair conditioner which will help fight frizz, whilst adding control and shine. With ***Texiterra Marula Oil***, ***Texiterra Raspberry Seed Oil*** and ***Texique Lux5*** to leave hair feeling soft and shiny. ***Texique PQ37*** and ***Texique CS-P*** help to provide conditioning benefits with good wet comb properties.

Phase	INCI Ingredients	Function	% w/w	Trade Name
A	Aqua	Solvent	Up to 100 %	Deionised Water
B	**Starch Hydroxypropyltrimonium Chloride**	**Conditioner**	**0.30**	**Texique CS-P [1]**
C	Hydroxyethylcellulose	Thickener	0.50	Natrosol 250 HHR [2]
D	Cetrimonium Chloride	Conditioner	2.00	Dehyquart A [3]
	Citric Acid	pH Adjuster	0.40	Citric Acid Monohydrate [4]
E	**Polyquaternium-37 (and) C13-15 Alkane (and) PEG-7 Oleate**	**Conditioner/ thickener/ emulsifier/ stabiliser**	**1.00**	**Texique PQ37 [1]**
F	Cetearyl Alcohol	Wax	3.50	Lanette 16 [3]
	Glyceryl Stearate (*and*) PEG-100 Stearate	Emulsifier	3.00	SP Arlacel 165-MBAL [5]
	Stearamidopropyl Dimethylamine	Hair/ Skin Conditioner	1.00	Empigen S18 [6]
	C13-15 Alkane (and) Caprylic/Capric Triglyceride	**Natural Emollient**	**5.00**	**Texique Lux5 [1]**
	Scierocarya Birrea Seed Oil	**Emollient/ softening/ shine/ nourishing**	**2.00**	**Texiterra Marula Oil [1]**
	Rubus Idaeus Seed Oil	**Emollient/ Shine/ Softening**	**1.00**	**Texiterra Raspberry Seed Oil[1]**
G	Hydrolysed Wheat Protein	Strengthening/ Repairing/ Protecting	2.00	Gluadin WLM BENZ [3]
	Sodium Benzoate (and) Potassium Sorbate	Preservative	1.00	Sodium Benzoate and Potassium Sorbate [7]
	Perfume	Fragrance	0.50	

Suppliers: [1] **Scott Bader** | [2] Ashland | [3] BASF | [4] Univar | [5] Croda | [6] Innospec | [7] Naturallythinking.com |

Preparation procedure

1. Weigh out Phase A and sprinkle in Phase B whilst mixing under fast vortex until completely dispersed.
2. Add Phase C while homogenising and homogenise until completely dispersed and uniform.
3. Add Phase D and mix until dissolved. Start heating to 70-75°C.
4. At temperature disperse Phase E and mix to disperse.
5. Weigh out phase F separately and heat to 70-75°C.
6. At correct temperature add Oil Phase to Water Phase while homogenising. Homogenise until smooth and uniform.
7. Cool to below 40°C with slow mixing.
8. Add Phase G individually and mix until uniform.
9. Adjust pH if necessary.