

Guide Formulation

Personal Care

Conditioning Hair Balm (CC-27)

Used as a leave-in conditioner on wet hair.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To 100	-	Vehicle
Polyquaternium-10	0.25	Celquat SC230M/Azelis	Conditioning Agent/Silicone Deposition Aid
Glycerin	3.00	Surfac G995V/Surfachem	Humectant
Hydroxyethylcellulose	1.00	Natrosol HHR-250 PC/Ashland	Thickener
Behentrimonium Chloride (and) Isopropyl Alcohol	0.50	Incroquat Behenyl TMC-85/Croda	Conditioning Fat
Cetearyl Alcohol	2.00	Crodacol CS90/Croda	Bodifying Fat
Sodium Benzoate	0.30	Surfac Sodium Benzoate/Surfachem	Preservative
Silicone Quaternium-17 (and) C12-14 sec-Pareth-5 (and) C12-14 sec-Pareth-9	4.00	SeraShine® EM 421C/KCC Beauty	Conditioning Agent
Phenyl Trimethicone	2.00	SeraSense® SF PTM/KCC Beauty	Glossing
Parfum	qs	-	Fragrance
Hydrolysed Keratin (and) Aqua	1.00	Crotein Cashmere/Croda	Conditioning
Citric Acid	0.25	Surfac Citric Acid Mono BP/Surfac	pH Adjuster

Typical Properties

Appearance:	Opaque, viscous liquid
Viscosity @ 25°C:	15000 - 25000cP (Brookfield Helipath, T Bar C, 10rpm)
pH @ 25°C:	4.4 - 4.9

Method

Charge the vessel with the water.

Premix the Glycerin with the PQ-10 and HEC, add to the batch.

Begin heating to 80 - 85°C. Add the fats and stir until melted. Homogenise for 1 minute.

Cool to room temperature and add the rest of the ingredients.



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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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