



Co-Wash Cleansing Conditioner (RC-11)

Co-Washes are popular with the Ethnic hair community, as they are gentler than traditional shampoos, avoiding stripping the hair of natural oils. This product is designed for use once or twice a week, in place of a shampoo. **SeraSense® SF CM56** improves spreadability through the hair, whilst **SeraShine® EM 505** is an emulsion with a large particle size, providing even the coarsest hair with superior conditioning. **Vida-Care HEC** provides thickening to aid stability, but exhibits shear thinning which improves spreadability.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Glycerin	1.00	Surfac G995V/Surfachem	Humectant
Hydroxyethylcellulose	0.50	Vida-Care HEC/KCC Basildon	Thickener
Citric Acid	0.60	Surfac Citric Acid Monohydrate BP/Surfachem	pH Adjuster
Cetyl Alcohol	3.00	Crodacol C90/Croda	Bodifying Fat
Cetearyl Alcohol	2.00	Crodacol CS90/Croda	Bodifying Fat
Bis-(Ethyl PPG-3 Behenate) Dimonium Methosulfate (and) Behenamidopropyl Dimethylamine	2.00	Terraquat BD/Croda	Conditioning Fat
Cyclopentasiloxane (and) Cyclohexasiloxane	2.00	SeraSense® SF CM56/KCC Beauty	Conditioning Agent
Amodimethicone (and) Dimethicone (and) Laureth-23 (and) Laureth-6	3.00	SeraShine® EM 505/KCC Beauty	Conditioning Agent
Olea Europaea (Olive) Fruit Oil	0.25	Seatons Olive Pomace Oil/Seatons	Moisturising
Parfum (Fragrance)	0.40	Mango Blast Fragrance/Givaudan	Fragrance
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (And) Tocopheryl	1.00	Euxyl K700/Schülke	Preservative

Typical Properties

Appearance:	Opaque, white emulsion
Viscosity @ 25°C:	10000 - 20000cPs (Brookfield Helipath, T Bar C, 10rpm)
pH @ 25°C:	2.5 - 3.5

Method

Add the water to the vessel and begin to heat.

Premix the glycerin and Vida-Care HEC, add to the water and stir until thickened. Continue to heat to 80 - 85°C.

Add the citric acid.

In a separate vessel, heat the fats until molten. When both phases reach 80 - 85°C, transfer the fats to the water phase. Homogenise for 5 minutes at 3000rpm.

Cool to below 40°C and add the remaining ingredients in order.

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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