Smoothing Conditioner (RC-24)

SeraSense® GBA 82 is a cyclopentasiloxane-free gum blend which is non-volatile, and which provides a long-lasting conditioning effect and improves dry combing. **Vida-Care HEC** thickens and stabilises the formulation, and also exhibits some shear thinning which improves spreadability during application.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To 100	-	Vehicle
Disodium EDTA	0.20	Edeta BD/BASF	Chelating Agent
Glycerin	1.50	Surfac G995V/Surfachem	Humectant
Hydroxyethylcellulose	**1.50**	**Vida-Care HEC/KCC Basildon**	**Thickener**
Citric Acid	0.33	Surfac Citric Acid Monohydrate BP/Surfachem	pH Adjuster
Cetyl Alcohol	1.00	Crodacol C90/Croda	Bodifying Fat
Stearyl Alcohol	1.00	Crodacol S95/Croda	Bodifying Fat
Behentrimonium Chloride (and) Isopropyl Alcohol	0.25	Incroquat Behenyl TMC-85/Croda	Conditioning Fat
C13-15 Alkane (and) Dimethiconol	**2.00**	**SeraSense® GBA 82/KCC Beauty**	**Conditioning Agent**
Parfum (Fragrance)	0.50	Fresh Locks/AFF Ltd	Fragrance
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopherol	1.00	Euxyl K700/Schülke	Preservative

Typical Properties

Appearance:	White, viscous emulsion
Viscosity @ 25°C:	8,000 - 15,000cPs (Brookfield Helipath, T Bar C,10rpm)
pH @ 25°C:	3.0 - 4.0

Method
Add the water to the vessel and begin to stir.
Sprinkle in EDTA and allow to dissolve.
Premix the glycerin and Vida-Care HEC, add to the blend and stir until thickened.
Heat to 80 - 85°C.
Add the fats and stir until melted. Homogenise at 3000rpm until smooth and white.
Cool to below 40°C with stirring 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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