

Replenishing Hair Mask (IT-5)

This thick, creamy mask is ideal for coarse and/or frizzy hair. SeraSense® RB 21 (Dimethicone (and) Trimethylsiloxysilicate) is an excellent de-frizzer and wards against humidity. SeraSense® SA 31 (Gluconamidopropyl Amino Propyl Dimethicone) is new to the KCC Beauty range. It is highly substantive to the hair, making it ideal for deep conditioning formulations.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Glycerin	1.50	Surfac G995V/Surfachem	Dispersing Agent
Hydroxyethylcellulose	1.00	Natrosol 250 HHR-PC/Ashland	Thickener
Citric Acid	0.40	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Behentrimonium Chloride (and) Isopropyl Alcohol	2.50	Incroquat Behenyl TMC-85/Croda	Conditioning Agent
Cetyl Alcohol	2.50	Crodacol C90/Croda	Bodifying Fat
Stearyl Alcohol	2.50	Crodacol S95/Croda	Bodifying Fat
Dimethicone (and) Trimethylsiloxysilicate	2.00	SeraSense® RB 21/KCC Beauty	Anti-Frizz Agent
Gluconamidopropyl Amino Propyl Dimethicone	1.00	SeraSense® SA 31/KCC Beauty	Conditioning Agent
Camelina Sativa Seed Oil	0.20	Gold of Pleasure Oil/A&E Connock	Moisturising Extract
Methylisothiazolinone (and) Methylchlorisothiazolinone	0.07	Euxyl K120/Schülke	Preservative
Laurdimonium Hydroxypropyl Hydrolyzed Keratin (and) Aqua	1.00	Keramimic 2.0/Croda	Repairs Damaged Hair
Parfum (Fragrance)	0.50	Big Hair Day Fragrance/Givaudan	Fragrance

Typical Properties

Appearance:	White, viscous cream
Viscosity @ 25°C:	15000 - 30000cP (Brookfield Helipath, T Bar C, 10rpm)
pH @ 25°C:	3.0 - 4.0

Method

Add the water to the vessel and bring to heat.

Premix the glycerin and HEC and add to the water. The product should gel up at around 50°C.

Continue to heat to 80-85°C.

In a separate vessel, heat the fats to 80-85°C and add to the batch. Homogenise for 5 minutes until smooth.

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

Check the viscosity and pH; adjust if necessary.



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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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