



## Replenishing Hair Mask (TT-5)

This thick and creamy mask is ideal for coarse and/or frizzy hair. **SeraSense® RB 21** is excellent at controlling frizz and protecting against humidity. **SeraSense® SA 31** is highly substantive to hair, making it ideal for deep conditioning applications. **Vida-Care HEC** thickens but also provides some shear thinning which improves spreadability during application.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Glycerin	1.50	Surfac G995V/Surfachem	Dispersing Agent
<b>Hydroxyethylcellulose</b>	<b>1.00</b>	<b>Vida-Care HEC/KCCBasildon</b>	<b>Thickener</b>
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
<b>Dimethicone (and) Trimethylsiloxysilicate</b>	<b>2.00</b>	<b>SeraSense® RB 21/KCC Beauty</b>	<b>Anti-Frizz Agent</b>
<b>Gluconamidopropyl Amino Propyl Dimethicone</b>	<b>1.00</b>	<b>SeraSense® SA 31/KCC Beauty</b>	<b>Conditioning Agent</b>
Camelina Sativa Seed Oil	0.20	Gold of Pleasure Oil/A&E Connock	Moisturising Extract
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopherol	1.00	Euxyl K700/Schülke	Preservative
Laurdimonium Hydroxypropyl Hyrolyzed 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 Vida-Care 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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