



## Hair Mask (TT-6)

This basic thick and creamy hair mask formulation is designed for deep conditioning to make locks feel healthy and nourished. **Vida-Care HEC** thickens, stabilises and exhibits some shear thinning which aids spreadability during application. **SeraSoft® SW 71** conditions but also enhances gloss, lubricates and provides humidity resistance.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Deionised Water	To 100	-	Vehicle
Glycerin	1.00	Surfac G996V/Surfachem	Humectant
<b>Hydroxyethylcellulose</b>	<b>1.00</b>	<b>Vida-Care HEC/KCC Basildon</b>	<b>Thickener</b>
Citric Acid	0.29	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Cetyl Alcohol	2.50	Crodacol C90/Croda	Bodifying Fat
Stearyl Alcohol	2.50	Crodacol S95/Croda	Bodifying Fat
Behentrimonium Chloride (and) Isopropyl Alcohol	2.00	Incroquat Behenyl TMC-85/Croda	Conditioning Fat
<b>Cetyl Dimethicone</b>	<b>4.00</b>	<b>SeraSoft® SW 71/KCC Beauty</b>	<b>Conditioning</b>
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopheryl	1.00	Euxyl K700	Preservative
Parfum (Fragrance)	0.50	Big Hair Day Fragrance/Givaudan	Fragrance

### Typical Properties

Appearance:	Viscous, white 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. Begin heating to 85°C.

Premix the glycerin with the Vida-Care HEC and add to the water. The product will thicken once fully dispersed.

Add the citric acid, stir until homogenous.

Add the fats, once at 85°C, ensure the fats have melted and transfer the batch to the homogeniser. Homogenise at 3000rpm for 3 - 5 mins, until the batch is white and smooth. Transfer back to the paddle stirrer and stir slowly, allowing to cool.

Once below 40°C, add the rest of the ingredients in order, stirring well between additions.

Check pH and viscosity.

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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