



## Damage Hair Care Pack (T-12)

An intensive treatment perfect for nourishing damaged locks. **SeraShine® EM 222** is an excellent conditioning agent in this formulation which offer superior wet and dry combing, smoothing and damage repair. **Vida-Care HEC** thickens and stabilises but also exhibits some shear thinning which improves spreadability during application.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Glycerin	1.00	Surfac G995V/Surfachem	Humectant
<b>Hydroxyethylcellulose</b>	<b>0.70</b>	<b>Vida-Care HEC/KCC Basildon</b>	<b>Thickener</b>
Bis-(Ethyl PPG-3 Behenate) Dimonium Methosulfate (and) Behenamidopropyl Dimethylamine	1.00	Terraquat BD/Croda	Conditioning Fat
Citric Acid	0.41	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Cetearyl Alcohol	1.50	Crodacol CS90/Croda	Bodifying Fat
Cetyl Alcohol	3.00	Crodacol C90/Croda	Bodifying Fat
<b>Dimethiconol (and) C11-15 sec- Pareth-12 (and) Sodium Dodecylbenzenesulfonate</b>	<b>4.00</b>	<b>SeraShine® EM 222/KCC Beauty</b>	<b>Conditioning/Repairs Damage</b>
Parfum (Fragrance)	0.50	Ultimate Style Fragrance/AFF Ltd	Fragrance
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopherol	1.00	Euxyl K700/Schülke	Preservative

### Typical Properties

Appearance:	Viscous, white emulsion
Viscosity @ 25°C:	10,000 - 20,000cP (Brookfield Helipath, T bar C, 10rpm)
pH @ 25°C:	3.5 - 4.5

### 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 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.

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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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