

Development Formulation

KeraINFUSION Revitalizing Hair Mask

ED0183

Revitalize your hair with this luxurious cream hair mask, where **KeraMatch™ V** works to strengthen hair, which is left feeling luxuriously soft and smooth with the help of **SensaLuxe™ DF**. **Crodamine™ SC** works to condition and detangle tresses and lifted cuticles are sealed with the help of **Crodabond™ CSA**, helping to protect against colour fade and improving the overall condition of your hair.

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Glycerin	Humectant	1.00
Lactic Acid (85%)	Neutralising agent	0.20
Part B		
Crodacol™ CS50 (Cetostearyl Alcohol) ¹	Thickener	5.00
Crodamine SC (Hydroxyethyl Diethylenetriamine Dioleamide/Palmitamide) ¹	Conditioning agent	1.50
SensaLuxe DF (Dioctyldodecyl Dodecanedioate) ¹	Dry friction active	1.00
Crodabond CSA (Hydrogenated Castor Oil/Sebacic Acid Copolymer) ¹	Colour protection/cuticle bonding active	1.00
Part C		
KeraMatch V (Aqua (and) Hydrolyzed Pea Protein (and) Hydrolyzed Vegetable Protein) ¹	Revitalising protein	1.00
Euxyl® PE9010 (Phenoxyethanol (and) Ethylhexylglycerin) ³	Preservative	1.00
Phytessence™ Hazel Leaf (Glycerin (and) Water (and) Avellana Leaf Extract) ²	Scalp revitalizing botanical	0.50

Suppliers: 1: Croda 2: Crodarom 3: Ashland

Procedure:

Add Part A ingredients to the main beaker. Begin mixing with a propeller blade and heat to 80 °C. In a separate beaker, add Part B ingredients and begin heating to 80 °C. Once both phases are at 80 °C, slowly pour Part B into Part A with fast mixing. Allow to mix at temperature for 10 minutes and then begin cooling to 60 °C. Once the temperature reaches 60 °C, switch to a side sweep blade and lower the mixing speed. Continue to cool to 40 °C. Once under 40 °C, add Part C ingredients one at a time, allowing to fully mix in. Adjust the pH if necessary.

Appearance: White creamy emulsion; pH: 4.53 ± 0.5; Viscosity: 33,200 cps ± 10% T-C spindle, 10rpm, 1 min

Stability: Stability: 1 month at 50 °C, 12 weeks at RT, 40 °C, 45 °C, and 5 x - 24 hour freeze-thaw cycles

Reference: 330-11-99

Euxyl® is a registered trademark of Ashland.

This formulation was developed in North America. Contact your local sales representative with enquiries as ingredient availability can vary by region.

Non-warranty

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