

### Leave-In Hair Balm for Ethnic Hair

Phase A	Weight %	For 240 g / 8.5 oz
Distilled Water (diluent)	76.6 %	184 g / 6.6 oz
Behentrimonium (conditioner)	1 %	2.4 g / 0.1 oz / 1 ½ tsp
Sorbitol Powder (humectant)	1 %	2.4 g / 0.1 oz / ¾ tsp
<b>Phase B</b>		
CreamMaker CAT (conditioning emulsifier)	3 %	7.2 g / 0.3 oz / 1 Tbsp
Jojoba Oil (emollient)	3 %	7.2 g / 0.3 oz / ½ Tbsp
Cetyl Alcohol (thickener/emollient)	3 %	7.2 g / 0.3 oz / 1 Tbsp
Cocoa Butter (emollient)	2 %	4.8 g / 0.2 oz / 2 tsp
GelMaker EMU (emulsifier/thickener)	2 %	4.8 g / 0.2 oz / 1 tsp
<b>Phase C</b>		
Cyclo-Dimethicone (emollient)	2 %	4.8 g / 0.2 oz / 1 tsp
Wheat Protein (protein)	4 %	9.6 g / 0.3 oz / 2 tsp
Provitamin B5 (vitamin)	1 %	2.4 g / 0.1 oz / 50 drops
Paraben-DU (preservative)	1 %	2.4 g / 0.1 oz / 50 drops
Fragrance (optional)	0.3 %	0.7 g / 0.03 oz / 15 drops
Citric Acid (acidulent)	0.1 %	0.24 g / 0.01 oz / ¼ tsp

#### Method

Add phase A into a heat resistant glass beaker and heat to 150oF/65oC until the behentrimonium is melted. Add phase B into another heat resistant glass beaker and heat to the same temperature. Add phase B then to phase A and stir well to form an emulsion. Remove from the heat and cool to 120F/49C. Add cyclo-dimethicone and stir well. Then add all the remaining ingredients while stirring well after each ingredient. Adjust the ph value to 4-5.5 with citric acid. If necessary the viscosity can be adjusted with GelMaker EMU.

#### Properties

Hair Balm with emollients such as coco-butter, jojoba oil and cyclo-dimethicone to provide softness and moisture to ethnic hair. Wheat protein penetrates the hair shaft, repairs and moisturizes and provitamin b5 nourishes the hair.