

**Creamy Hair Shampoo - 1386**

<b>Ingredient</b>	<b>Function</b>	<b>Percent</b>	<b>Wgt (g)</b>	<b>Wgt (oz)</b>	<b>Vol (tsp.)</b>
<b>Phase A</b>					
Distilled Water (aqua)	Diluent	49.30	49.30	1.74	9.86
Sodium PCA (sodium L-pyrroglutamate)	Humectant	2.00	2.00	0.07	0.40
<b>Phase B</b>					
Sulfosuccinate (disodium laureth sulfosuccinate)	Cleanser	20.00	20.00	0.71	4.00
Coco Betaine (cocamidopropyl betaine)	Cleanser	10.00	10.00	0.35	2.00
Alpha Olefin Sulfonate (sodium C14-16 alpha olefin sulfonate)	Cleanser	10.00	10.00	0.35	2.00
Glyceryl Oleate (glyceryl oleate)	Emulsifier	1.00	1.00	0.04	0.20
Squalane (squalane)	Emollient	2.00	2.00	0.07	0.40
PEG-150 Distearate (PEG-150 distearate)	Emulsifier	1.50	1.50	0.05	0.30
<b>Phase C</b>					
Quaternium-31 (dicytyldimonium chloride, isopropyl alcohol)	Conditioner	2.00	2.00	0.07	0.40
Provitamin B5 (d-panthenol, water)	Vitamin	0.50	0.50	0.02	0.10
Fragrance	Fragrance	0.50	0.50	0.02	0.10
Phenoxyethanol SA (phenoxyethanol, sorbic acid, caprylyl glycol)	Preservative	1.20	1.20	0.04	0.24
Citric Acid (citric acid)	Acidulant	0.01	0.01	0.00	0.00

**Method**

Combine phase A in a heat resistant glass beaker and stir well. Heat phase A to to 75C/170F. Combine phase B in another heat resistant beaker and heat to the same temperature. Add phase A to phase B and maintain good agitation. Remove from the heat and cool to 40C/100F. Add phase C one by one, stirring between ingredients. Test pH and adjust if necessary with a very small amount of citric acid to pH 5.5.

**Properties**

Creamy hair shampoo that moisturizes and conditions and does not strip hair from its natural emollients.