PILOT CHEMICAL COMPANY

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FORMULARY SHEET

Description: A premium shampoo formula with exceptional moisturizing effect due to jojoba ester beads.

Shampoo, Moisturizing with Colored Jojoba Beads

	Ingredient	Description	% w/w
1.	D.I. Water		Q.S. to 100%
2.	*Acrylate Copolymer*		6.00
3.	Sodium Hydroxide 10%		1.50
4.	Calfoam® ES-302	*Sodium Laureth Sulfate*	20.00
5.	Calfoam® SLS-30	*Sodium Lauryl Sulfate*	20.00
6.	Caltaine® C-35	*Cocamidopropyl Betaine*	5.00
7.	Calamide® MC	*Cocamide MEA*	2.00
8.	Sodium Chloride		2.50
9.	Jojoba Ester Beads		1.00
10.	Preservative, Perfume, Dye		Q.S.
11.	Citric Acid/Sodium Hydroxide		to pH 5.5

Procedure:

1. Add water, Acrylate Copolymer (Liquid) mix well.
2. Add Sodium Hydroxide slowly.
3. Add Calfoams® and the Caltaine® and start mixing and heating. Heat to 70º C.
4. Add Calamide® and mix until the batch is uniform, smooth, and homogenous without any lumps or particles.
5. Add Sodium Chloride, continue mixing.
6. Cool the batch down to 25º C.
7. Add the rest of the ingredients in the order listed with continuous mixing.

Physical Properties:

Appearance	Clear liquid
Viscosity @ 70º F	8,000 cp.
pH	5.5

For additional formulary and product information, please visit www.pilotchemical.com or contact us at 1-800-70-PILOT

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confirm the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the field or be issued.

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