PILOT CHEMICAL COMPANY
www.pilotchemical.com
2744 East Kemper Road • Cincinnati, OH 45241

FORMULARY SHEET

Description: A high quality, premium grade shampoo containing an emollient ester that moisturizes and nourishes the hair and scalp.

Shampoo, Moisturizing and Conditioning for Dry Hair

	Ingredient	Description	% w/w
1.	D.I. Water		Q.S. to 100%
2.	Calfoam® ES-302	*Sodium Laureth Sulfate*	25.00
3.	Calfoam® TLS-40	*TEA Lauryl Sulfate*	25.00
4.	Caltaine® C-35	*Cocamidopropyl Betaine*	10.00
5.	Isopropyl Myristate		2.00
6.	*Polysorbate 20*		4.00
7.	Calamide® MC	*Cocamide MEA*	2.00
8.	Panthenol		1.00
9.	Sodium Chloride		3.00
10.	Preservative, Perfume, Dye		Q.S.
11.	Citric Acid		to pH 5.5

Procedure:

1. Add water, then Calfoams®, Caltaine®, Isopropyl Myristate & Polysorbate 20 with continuous mixing. Heat the batch to 70º C.
2. Add Calamide® and mix until the batch is uniform, smooth, and homogenous without any lumps or particles.
3. Add sodium chloride, continue mixing.
4. Cool the batch down to 25º C.
5. Add the rest of the ingredients in the order listed with continuous mixing.

Physical Properties:

Appearance	Clear liquid
Viscosity @ 70º F	1,000 cp. Brookfield DV-1 +, spindle #2
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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