PILOT CHEMICAL COMPANY
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FORMULARY SHEET

Description: Creamy hand soap formula fortified with vitamins. DEA Alternative.

Hand Soap With Vitamins

	Ingredient	Description	% w/w
1.	D.I. Water		Q.S. to 100%
2.	*Polyquaternium 10*		0.50
3.	CalBlend® PC	*Surfactants Blend*	30.00
4.	EGMS		1.00
5.	Vitamin A Palmitate	*Retinyl Palmitate*	0.01
6.	Vitamin E Acetate	*Tocopherol Acetate*	0.01
7.	Panthenol		0.10
8.	Preservative, Perfume, Dye		Q.S.

Procedure:

1. Add water and CalBlend® PC to the mixing tank and heat to 75^0 C. Start mixing and Sprinkle Polyquaternium 10. Maintain mixer speed so it will not create excessive foaming. Mix well until the polymer is completely hydrated and the batch gets smooth and homogenous. Add EGMS with constant mixing. Maintain the temperature at 75^0 C. Mix well until all the EGMS have melted and mixed into the batch and the batch is homogenous then cool the batch down to 40^0 C with continued mixing.
2. Add ingredients # 5, 6, 7 & 8. Mix well after all ingredients have been added, until a smooth, and homogenous batch is obtained that is free of lumps or particles.

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

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