



## THE HERBARIE FORMULARY

### Hair Care - Shampoo

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#### CSB Soft Bubbles Shampoo

Naturally derived CSB Foamy Concentrate gives this cold process formula a creamy, voluminous foam as well as a pleasant, soft feel after rinse-off. GuarSilk and CocoEm WS offer light conditioning. CocoEm WS also functions as a solubilizer for fragrance oils. Liquid Crothix provides easy thickening. Hydrolyzed Wheat Protein will smooth and protect the hair cuticle. This easy, yet elegant formula is one of The Herbarie favorites.

Ingredient	Percentage	Amount
GuarSilk	0.2%	= 1 gram
Distilled Water	43.6%	= 218grams
Hydrolyzed Wheat Protein	2.0%	= 10 grams
CSB Foamy Concentrate	45.0%	= 225 grams
CocoEm WS	3.0%	= 15 grams
Fragrance Oil	2.0%	= 10 grams
Germall Plus Liquid	0.2%	= 1 gram
Liquid Crothix	4.0%	= 20 grams
	100%	= 500 grams

#### Procedure for cold process:

- Combine GuarSilk and water while gently mixing. Continue to mix while GuarSilk hydrates completely – about 10 minutes.
- When GuarSilk has completely hydrated, add Hydrolyzed Wheat Protein with gentle mixing. Set aside.
- Using a separate small container combine CocoEm WS and Fragrance/Essential Oils with gentle mixing – set aside.
- Add CSB Foamy Concentrate to a separate container. Pour GuarSilk, water, Hydrolyzed Wheat Protein mixture into CSB Foamy Concentrate and gently mix. Shampoo mixture will quickly thicken. Add Germall Plus Liquid with gentle mixing.
- From small container, pour CocoEm WS/FO/EO mixture into shampoo mixture. Mixture will become thin.
- Slowly pour Liquid Crothix into Shampoo Mixture while stirring – since fragrance and essential oils vary, viscosity may need to be adjusted by more or less Liquid Crothix.
- Finished pH will be 5.0-5.5

#### Tips for shampoo/body wash:

- do not use high shear mixer!
- pay attention to pH of finished product and make sure it is around 5.5 – 6.5
- pH can effect viscosity
- fragrance oils WILL effect the formulation
- essential oils that seem to be most compatible with shampoo/body wash: geranium, peppermint, rose, sandalwood, rosemary, clary sage, myrtle, lavender, lemongrass
- solubilizers such as AquaEm, Cromollient SCE, and PEG 7 Glyceryl Cocoate will help to lessen the negative impact of fragrance oils and essential oils on surfactant based systems.
- use more Liquid Crothix to thicken

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*This information is to demonstrate how The Herbarie products can be utilized. Our information is based on our own research and is believed to be accurate. We assume no liability for misuse of our products or data and we urge our purchasers to do their own testing to ensure the products meet their own specifications.*