

### Creamy Shaving Foam for Foamer Bottle

Phase A	Weight %	For 240 g / 8.5 oz
Distilled Water (diluent)	51 %	122 g / 4.4 oz
Stearic Acid (emulsifier)	4 %	9.6 g / 0.3 oz / 1 Tbsp ½ tsp
<b>Phase B</b>		
PEG-7 Glyceryl Cocoate (emulsifier/emollient)	2 %	4.8 g / 0.2 oz / 1 tsp
<b>Phase C</b>		
Coco Betaine (surfactant)	8 %	19.2 g / 0.7 oz / 1 ½ Tbsp
Glycerin (humectant)	5 %	12 g / 0.4 oz / 2 tsp
Meadowfoam Seed Oil (emollient)	2 %	4.8 g / 0.2 oz / 1 tsp
Fragrance (optional)	0.2 %	0.5 g / 0.02 oz / 11 drops
<b>Phase D</b>		
Distilled Water (diluent)	26.3 %	63 g / 2.3 oz / ¼ cup ½ tsp
Xanthan Gum (thickener)	0.5 %	1.2 g / 0.04 oz / 1/2 tsp
Allantoin (anti-irritant)	0.2 %	0.5 g / 0.02 oz / 1/4 tsp
Benzyl Alcohol/DHA (preservative blend)	0.8 %	1.9 g / 0.07 oz / 44 drops

#### Method

Melt the stearic acid in the hot water at 158F/70C and stir. Add phase B to phase A while stirring. Remove phase A/B from the heat. Add phase C to A/B and stir until homogenous. Pre-mix phase D, by sprinkling the xanthan gum into the water and mixing well. Add phase D to phase A/B/C at temperature below 100F/40C and stir well. Fill the liquid into the foamer pump bottle.

#### Properties

The foaming bottle produces a creamy foam (but not as dense as a mousse in a bottle that's under pressure). The allantoin has anti-inflammatory properties and soothes the skin.