

### Mild Conditioning Pet Shampoo

Phase A	Weight %	For 240 g / 8.5 oz
Distilled Water (diluent)	54.7 %	131 g / 4.7 oz / 1/2 cup 3 tsp
PEG-7 Glyceryl Cocoate (emulsifier/emollient)	3 %	7.2 g / 0.2 oz / 3/4 Tbsp
Guar Gum (thickener/conditioner)	1 %	2.4 g / 0.1 oz / 1/2 tsp
<b>Phase B</b>		
Sulfosuccinate (cleansing agent)	15 %	36 g / 1.3 oz / 2 3/4 Tbsp
Coco Betaine (cleansing agent)	20 %	48 g / 1.7 oz / 3 Tbsp 1 tsp
PEG-150 Distearate (thickener/emulsifier)	2 %	4.8 g / 0.2 oz / 1 3/4 tsp
<b>Phase C</b>		
Soy Quat (conditioner)	3 %	7.2 g / 0.3 oz / 3/4 Tbsp
Paraben-DU (preservative)	1 %	2.4 g / 0.1 oz 55 drops

#### Method

Add phase A into a disinfected glass beaker, sprinkle the guar gum into the water and mix well to avoid the formation of lumps. Add phase B into another glass beaker and heat to 150F/65C to melt the peg-150 distearate. Combine phase A with phase B and stir. At last add phase C to phase A/B and stir again until well mixed.

#### Properties

Pet shampoo for dogs and cats with very mild cleansing ingredients. PEG-7 Glyceryl Cocoate gives moisture and emolliency back to the hair, soy quat and guar gum act as conditioning ingredients. Tea tree oil helps to repel fleas and ticks.