

Deodorant Cream with Zinc Ricinoleate

Phase A	Weight %	For 100 g / 3.6 oz
Zinc Ricinoleate (dedorant)	2 %	2 g / 0.1 oz / 3/4 tsp
Cetyl Alcohol (thickener, emollient)	2.5 %	2.5 g / 0.1 oz / 1 tsp
CreamMaker Blend (emulsifier)	4 %	4 g / 0.14 oz / 1 1/2 tsp
Triglyceride (emollient)	4 %	4 g / 0.14 oz / 1 tsp
Cetareth-20 (emulsifier)	2 %	2 g / 0.1 oz / 3/4 tsp
Polyglyceryl Oleate (emulsifier)	1 %	1 g / 22 drops
Phase B		
Distilled Water (diluent)	81 %	81 g / 2.9 oz / 1/3 cup
Glycerin (humectant)	3 %	3 g / 0.1 oz / 1/2 tsp
Phase C		
Phenoxyethanol/SA (preservative)	1.2 %	1.2 g / 30 drops
Citric Acid (acidulant)	0.1 %	0.1g / less than 1/16 tsp
Fragrance of your Choice	0.5- 1 %	0.5 - 1 g / 11 - 22 drops

Method

Add phase A into a heat resistant glass beaker and melt at 176F/70C and stir, add phase B to another glass beaker and heat to the same temperature. Add phase B to phase A and stir well to form the cream, remove from the heat. Keep stirring until room temperature. Then add phase C and stir again well. Test pH with pH indicator strips, ideal pH between 4.5 and 6. Fill into Roll-On container.

Properties

Zinc ricinoleate works in that it chemically fixes (traps & absorbs) odor molecules formed during bacterial decomposition of perspiration. It does not inhibit natural transpiration and has no bactericidal or fungicidal properties. Therefore it does not interfere with the natural flora of the skin. Very mild deodorant type.