

Formulation

Formula 1038

Silicone Free Moisturizing Hand and Body Cream

Attributes
Rich Feel
Smooth Feel
Moisturizing
Silicone Free

Elevance Renewable Sciences Products Elevance Soft CG -200

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Cocos Nucifera (Coconut) Oil (and) Hydrogenated Soybean Polyglycerides	8.0	Elevance Soft CG-200
2. Stearic Acid	3.0	No Tradename /Supplier Specified
3. Glyceryl Stearate (and) PEG-100 Stearate	3.0	Lipomulse 165/ Lipo Chemicals
4. Cetearyl Alcohol	4.0	No Tradename / Supplier Specified
Phase B		
5. Deionized Water	63.5	No Tradename / Supplier Specified
6. Glycerin	4.0	USP 99.7%
7. Aminomethyl Propanol	0.50	AMP Ultra PC 2000 / Angus Chemical
Phase C		
8. Dodecane	3.0	No Tradename / Supplier Specified
Phase D		
9. Carbomer Dispersion (1% in Deionized Water)	10.0	Carbopol EDT 2050
10. Phenoxyethanol (and) Caprylyl Alcohol (and) Sorbic Acid	1.0	Optiphen Plus (Ashland)

Procedure

1. Heat phases A and B to 75° C separately mixing each until uniform. Use a mixing vessel large enough to hold the entire batch for Phase A.
2. Add Phase B to Phase A while mixing and keeping the temperature at 75° C
3. Mix Phases A/B for 5 minutes and begin cooling.

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4. Once the temperature drops below 60° C, add Phase C and continue mixing.
5. Combine the ingredients for Phase D and add (at room temperature) to the batch when the batch has cooled to about 55° C. As Phase D is added, the batch will thicken so increase the mixer speed to maintain good mixing.
6. Cool to about 40° C and package. Note that as the temperature of the batch drops below about 50° C it will continue to thicken. If a cooling jacket is used, the mixer should be equipped with side-scrapers to pull thickened material into the center of the batch. For lab-scale production, the side of the mixing vessel should be scraped with a spatula periodically so that the batch cools evenly.

External Reference Material

No external references identified as of this printing.

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