



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

SC-2016: MOISTURIZING BODY LOTION WITH NATURESOFT 810 (Naturesoft 810 provides enhanced emolliency and richness)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	55.75	N/A
Protacide NA3 EDTA	Tri Sodium EDTA	0.2	Protameen Chemicals Inc.
Protasorb L-20	Polysorbate 20	2.5	Protameen Chemicals Inc.
Triethanolamine 99%	Triethanolamine	1.3	N/A
Butylene Glycol	Butylene Glycol	5.0	Lotion Crafter
Glycerine vetable derived	Glycerine	5.0	Lotion Crafter
Veegum CH	Magnesium Aluminum Silicate	0.35	Vanderbilt Minerals, LLC.
Vanzan NF-C	Xanthan Gum	0.20	Vanderbilt Minerals, LLC.
Phase B			
Protachem IPP	Isopropyl Palmitate	10.8	Protameen Chemicals Inc.
Protachem GMS-450	Glyceryl Stearate	3.0	Protameen Chemicals Inc.
Stearic Acid TP NF	Stearic Acid	2.8	Protameen Chemicals Inc.
Protachem OP	Octyl Palmitate	5.5	Protameen Chemicals Inc.
SF-1550	Phenyl Trimethicone	2.0	Momentive Performance Materials
Phase C			
Naturesoft 810	Hydrogenated Castor Oil & Jojoba Esters	5.00	Micro Powders, Inc.
Phase D			
Cucumber Mint Fragrance	Fragrance	0.10	Bell Flavor & Fragrance
Barguard CP	Capryl Glycol /Phenoxyethanol /Hexylene Glycol	0.50	Ashland Inc.
	Total	100%	
Procedure			
<ol style="list-style-type: none"> 1. Weigh Phase A ingredients: Water, EDTA ,TEA & Polysorbate 20 into a separate beaker. Start mixing using Con blade at medium speed until it is uniform and clear. Now in a separate beaker add Butylene Glycol, Glycerine , Veegum and Xanthan Gum. Mix well make slurry and pour into Water Phase. Start heating to 165°F under high speed mixing. Once temp reach to 165°F, mix for additional 30 minutes until gum hydrates completely. Check by making drawdown on a white paper. 2. In separate beaker weigh Phase B, heat to 170° F under propeller medium speed mixing till clear. 3. Add Phase C (powder) 5 minutes before the emulsification. Keep mixing at medium to high speed to keep uniformly dispersed in the oil Phase. 4. Pour Phase B + C into Phase A at constant slow rate speed at 165°F to 170°F. Continue high speed mixing for 30 minutes with occasional side sweeping (emulsification step). If batch gets thick increased the mixing speed appropriately to keep the batch moving uniformly. 5. Cool the batch to 145°F and add Phase D ingredients. Maintain 145°F for 15 minutes and mix for additional 15 minutes and cool down the batch to ambient temperature. 			
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