



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

BODY LOTION WITH NATURESOFT 800 (TALC & OIL FREE)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	35.59	N/A
Protacide NA3 EDTA	Tri Sodium EDTA	0.20	Protameen Chemicals Inc.
Triethanolamine 99% NF	Triethanolamine	0.90	Huntsman
Butylene Glycol	Butylene Glycol	15.00	Lotion Crafter
Veegum F	Magnesium Aluminum Silicate	0.70	Vanderbilt Minerals, LLC
Vanzan NF-C	Xanthan Gum	0.25	Vanderbilt Minerals, LLC
Phase B			
Sericite CS-15	Mica	13.70	Miyoshi America, Inc.
Rona Flair SynMica M	Synthetic Mica	5.00	Rona EMD Chemicals
Naturesoft 800	Cellulose Powder	5.00	Micro Powders, Inc.
Phase C			
Protachem ISP	Isostearyl Palmitate	10.80	Protameen Chemicals Inc.
Protachem GMS-450	Glyceryl Stearate	2.50	Protameen Chemicals Inc.
Stearic Acid TP NF	Stearic Acid	2.00	Protameen Chemicals Inc.
Protachem OP	Octyl Palmitate	5.50	Protameen Chemicals Inc.
SF-1550	Phenyl Trimethicone	2.00	Momentive Performance Materials
Phase D			
Pineapple/ Cinnamon/ Bergamot note Fragrance	Fragrance	0.08	Fragrance Paradise
F D & C Blue #1 (2% sol)	F D & C Blue # 1	0.08	Sensient Colors LLC
Barguard CP	Capryl Glycol/ Phenoxyethanol/ Hexylene Glycol	0.70	Hampford Research Inc.
	Total	100%	

Procedure

1. Weigh Phase A ingredients: Water, EDTA and TEA into a separate beaker. Start mixing using propeller blade at slow to medium speed until it is uniform and clear. In a separate a beaker add Butylene Glycol, Vee gum and Xanthan gum. Mix well make slurry and pour in to Water phase. Start heating to 165°F under high speed mixing. Once temp reach to 165°F, mix for 30 minutes until gum hydrates completely. Check by making drawdown on a white paper.
2. Slowly add Phase B (Powders) under high speed mixing. As the batch will start to thicken, continue high speed mixing until uniform phase is achieved. Mix for 30 minutes.
3. In separate beaker weigh Phase C, heat to 170°F under propeller medium speed mixing until clear.
4. Pour Phase C (oil phase) into Phase A+B at constant slow rate speed at 165°F to 170°F. Continue high speed mixing for 30 minutes with occasional side sweeping (emulsification step).
5. Cool the batch to 145°F and add Phase D ingredients individually with 5 minutes mixing time in between each addition. Maintain 145°F for 15 minutes and mix for additional 15 minutes. Cool down the batch to ambient temperature.