



BODY LOTION WITHOUT NATURESOFT 800 (TALC & OIL FREE)

INGREDIENT	INCI NAME	% W/W	SUPPLIER
<u>Phase A</u>			
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
<u>Phase B</u>			
Sericite CS-15	Mica	18.70	Miyoshi America
Rona Flair SynMica M	Synthetic Mica	5.00	Rona EMD Chemicals
<u>Phase C</u>			
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
<u>Phase D</u>			
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 LCW
Barguard CP	Capryl Glycol/ Phenoxyethanol/ Hexylene Glycol	0.70	Ashland Inc.
	Total	100%	

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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 165⁰F under high speed mixing. Once temp reach to 165⁰F, mix for 30 minutes till 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 till uniform phase is achieved. Mix for 30 minutes.
3. In separate beaker weigh Phase C, heat to 170⁰ F under propeller medium speed mixing till clear.
4. Pour Phase C (oil phase) into Phase A+B at constant slow rate speed at 165⁰F to 170⁰F. Continue high speed mixing for 30 minutes with occasional side sweeping (emulsification step).
5. Cool the batch to 145⁰F and add Phase D ingredients individually with 5 minutes mixing time in between each addition. Maintain 145⁰F for 15 minutes and mix for additional 15 minutes. Cool down the batch to ambient temperature.

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