



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

BODY CREAM WITH MATTEWAX 511			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionised Water	Water	45.557	N/A
Trisodium EDTA	Disodium EDTA	0.20	N/A
Triethanolamine 99%	Triethanolamine	0.90	N/A
Butylene Glycol	Butylene Glycol	15.00	N/A
Veegum F	Magnesium Aluminum Silicate	0.70	Vanderbilt Minerals, LLC
Keltrol CG	Xanthan Gum	0.25	CP Kelco
Phase B			
AJM- Jetmilled Talc	Talc	10.0	Kobo Products Inc.
RonaFlair SynMica M	Synthetic Mica	5.00	Rona EMD Chemicals
Phase C			
Mattewax 511	Polypropylene	3.70	Micro Powders, Inc.
Lexol IPM -NF	Isopropyl Myristate	9.50	Inolex Chemical Company
Protachem GMS-450	Glyceryl Stearate	2.00	Protameen Chemicals Inc.
Stearic Acid TP NF	Stearic Acid	1.70	Protameen Chemicals Inc.
Protachem OP	Octyl Palmitate	4.60	Protameen Chemicals Inc.
Phase D			
Cucumber Mint Fragrance	Fragrance	0.15	Bell Flavors & Fragrance
F D & C Blue # 1	F D & C Blue # 1	0.043	Sensient Colors LLC
Barguard CP	Capryl Glycol, Phenoxyehtanol & Hexylene Glycol	0.70	Hampford Research Inc.
	Total	100%	

Procedure

1. Weigh Phase A ingredients: Water, EDTA and TEA into a beaker. Start mixing using propeller blade at slow to medium speed until it is uniform and clear. Now in separate a beaker add Butylene Glycol, Veegum and Xanthan Gum. Mix well make slurry and pour in to Water phase. Start heating to 165°F under high speed mixing. Once reach to 165°F mix for 30 minutes until gum hydrates completely.
2. Check by making drawdown on a white paper.
3. Slowly add Phase B under high speed mixing. As the batch will start to thicken, continue high speed mixing until uniform phase is achieved. Mix for 30 minutes.
4. In separate beaker weigh Phase C except Mattewax 511 Powder, heat to 170°F using propeller blade at medium speed mixing until clear. Now add Mattewax 511 and mix for 15 minutes until uniformly dispersed.
5. Pour Phase C in to Phase A+B at constant slow rate speed at 165°F to 170°F.
6. Continue for 30 minutes at same temperature and speed with occasional side sweeping (emulsification step).
7. Cool the batch to 145°F and add Phase D one after another. Mix for additional 5 minutes and cool down to ambient temperature.
8. Drop the batch in an appropriate container.