



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

SC-2017: BB CREAM TINTED MOISTURIZER WITH BIOSOFT 915 (Natural finish with smooth and luxurious aesthetics)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	46.09	N/A
Protacide NA ₃ EDTA	Tri Sodium EDTA	0.20	Protameen Chemicals Inc.
Triethanolamine 99%	Triethanolamine	1.40	N/A
Butylene Glycol	Butylene Glycol	5.00	Lotion Crafter
Glycerin vegetable derived	Glycerin	4.00	Lotion Crafter
Veegum CH	Magnesium Aluminum Silicate	0.35	Vanderbilt Minerals, LLC.
Vanzan NF-C	Xanthan Gum	0.30	Vanderbilt Minerals, LLC.
Protasorb L-20	Polysorbate 20	1.00	Protameen Chemicals Inc.
Phase B			
Covarine White WN9787	TiO ₂ / Glycerin	8.00	Sensient Cos Technologies
Covarine Yellow WN 1798	IO Yellow/ Glycerine	1.60	Sensient Cos Technologies
Covarine Red WN3798	IO Red / Glycerine	0.40	Sensient Cos Technologies
Covarine Black WN 9798	IO Black / Glycerine	0.16	Sensient Cos Technologies
Sericite CS-15	Mica	0.00	Miyoshi America Inc.
Phase C			
Lotion Crafter IPM	Isopropyl Myristate	10.00	Lotion crafter
Lotion Crafter GMS	Glyceryl Stearate	3.00	Lotion Crafter
Stearic Acid NF (Vegetable)	Stearic Acid	2.80	Lotion Crafter
Dermol 816	Ethyl Hexyl Palmitate	10.00	Alzo International
Phase D			
Biosoft 915	Polyhydroxy Butyrate	5.00	Micro Powders, Inc.
Phase E			
Cucumber Mint Fragrance	Fragrance	0.20	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 into a separate beaker. Start mixing using Con blade at medium speed until it is uniform and clear. Now in separate a beaker add Butylene Glycol, Glycerin, 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 temperature reaches to 165°F, mix for additional 30 minutes till gum hydrates completely. Check by making drawdown on a white paper. Add Polysorbate 20 just before emulsification and mix it in at a slow to medium Speed. (to avoid Foaming) 2. Add Phase B (Color grinds) to Phase A. Mix 30 minutes till uniformly disperse. 3. In separate beaker weigh Phase C, heat to 170° F under propeller medium speed mixing till clear. 5 minutes prior to emulsification add and disperse uniformly phase D (powder) to the phase C . 4. Keep mixing at medium to high speed to keep phase D uniformly dispersed in the oil phase. 5. Pour Phase C + D into Phase A+B at a constant slow rate at 165°F to 170°F such that it gets emulsified immediately. Continue emulsification step at 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. 6. Cool the batch to 145°F and add Phase E 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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