



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

SC-2011: GENTLE SULFATE-FREE CLEANSER WITH NATURESCRUB COCOA C50 (Natural Scrub Provides Refreshing and Mild Skin Rejuvenation with Attractive Visual Cue)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
DI Water	Water	55.90	N/A
Protacide NA3 EDTA	Trisodium EDTA	0.10	Protameen Chemicals Inc.
Naturescrub Cocoa C50	Copernicia Cerifera (Carnauba) Wax	4.00	Micro Powders, Inc.
Covarine White WN 9787	TiO ₂ / Glycerin dispersion	1.00	Sensient Colors LLC
Optiphen Plus	Phenoxyethanol	0.50	Ashland
VEEGUM CH	Magnesium Aluminum Silicate	4.00	Vanderbilt Minerals, LLC
Phase B			
Butylene Glycol	Butylene Glycol	3.00	Lotioncrafter
Glycerin-Vegetable	Glycerin	3.00	Lotioncrafter
VANZAN NF	Xanthan Gum	0.50	Vanderbilt Minerals, LLC
Phase C			
SurfPro SCI 33% AQ solution	Sodium Cocoyl Isethionate/Water	20.00	Lotioncrafter
SurfPro CAPB	Cocamidopropyl Betaine	7.50	Lotioncrafter
Phase D			
Citric Acid, 20% AQ solution	Citric Acid/Water	0.50	N/A
	Total	100%	

Procedure

1. Add Phase A ingredients in the order, one at a time using Connblade type mixing blade. Sprinkle Veegum, Increase speed to very high as necessary to keep the bulk moving. (very thick phase)
2. Once Phase A looks thick and uniform mix Phase B ingredients together until fully dispersed and then add to phase A. Continue mixing at a very high speed for 10 minutes or little more until uniformly dispersed.
3. Switch to an appropriate size side-sweep type blade, which almost touches the wall of the beaker. Keep mixing at very low speed (less than 100 for 1 kg batch) once bulk looks uniform then add Phase C ingredients one at a time. Particularly add SurfPro CAPB using pipette on the beaker sidewall and also squirting in the center. Continue mixing at very slow speed.
4. Keep mixing at 50 RPM for additional 15 minutes until batch looks uniform. Add Citric acid solution as required to achieve pH 6.0 ±0.5. Keep mixing for additional 10 minutes.