



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

SC-2009: PRIMER WITH NATURESORB 1000 OR MICROSORB 988S (For Efficient Oil Absorption & Matte Look Without Dryness)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	56.35	N/A
Protacide NA3 EDTA	Tri Sodium EDTA	0.20	Protameen Chemicals Inc.
Protasorb L-20	Polysorbate 20	2.50	Protameen Chemicals Inc.
Triethanolamine 99%	Triethanolamine	1.30	N/A
Butylene Glycol	Butylene Glycol	5.00	Lotion Crafter
Glycerine vetable derived	Glycerine	2.00	Lotion Crafter
Veegum CH	Magnesium Aluminum Silicate	0.70	Vanderbilt Minerals, LLC.
Vanzan NF-C	Xanthan Gum	0.25	Vanderbilt Minerals, LLC.
Phase B			
Protachem IPP	Isopropyl Palmitate	8.00	Protameen Chemicals Inc.
Protachem GMS-450	Glyceryl Stearate	3.00	Protameen Chemicals Inc.
Stearic Acid TP NF	Stearic Acid	3.00	Protameen Chemicals Inc.
Protachem OP	Octyl Palmitate	5.00	Protameen Chemicals Inc.
SF-1550	Phenyl Trimethicone	4.00	Momentive Performance Materials.
Phase C			
Naturesorb 1000 - or - Microsorb 988S	Carnauba wax and calcium Silicate	5.00	Micro Powders, Inc.
	Synthetic Wax / Calcium Silicate / Silica		
Mattewax 511	Polypropylene	3.00	Micro Powders, Inc.
Phase D			
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 & Polysorbate 20 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, Glycerine, Veegum and Xanthan Gum. Mix well make slurry and pour in to Water phase. Start heating to 165°F under high speed mixing. Once temperature reach to 165°F ± 3°F mix for additional 30 minutes until gum hydrates completely. Check by making drawdown on a white paper. 2. In separate beaker weigh Phase B, heat to 170°F – 180°F under propeller medium speed mixing until clear. 3. Add Phase C (powder), Keep mixing at medium to high speed to keep uniformly dispersed in the oil phase. 4. Pour Phase B + C into Phase A at constant slow rate speed at 170°F to 180°F. Continue high speed mixing for 30 minutes with side sweeping (emulsification step). If batch gets thick increased the mixing speed appropriately to keep the batch moving uniformly. Maintain 170°F to 175°F. 5. Cool the batch to 145°F and add Phase D ingredients. Maintain 145°F for 15 minutes and mix for additional 15 minutes with side sweeping and cool down the batch to ambient temperature. 			
Micro Powders, Inc. 580 White Plains Road, Tarrytown, NY 10591 Tel: (914) 793-4058 Fax: (914) 472-7098 www.mpipersonalcare.com			