



# MICRO POWDERS, INC.

Specialty Micronized Wax Additives

F-1402: FOUNDATION WITH MICROEASE 114S ( Creamy Aesthetics with Improved Payoff )			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
<b>Phase A</b>			
Deionized Water	Water	42.04	N/A
Trisodium EDTA	Trisodium EDTA	00.20	Protameen Chemicals Inc.
Triethanolamine 99%	Triethanolamine	00.90	N/A
Protasorb L-20	Polysorbate 20	00.30	Protameen Chemicals Inc.
Butylene Glycol	Butylene Glycol	15.00	N/A
Veegum F	Magnesium Aluminum Silicate	00.70	Vanderbilt Minerals, LLC
Keltrol CG	Xanthan Gum	00.25	CP Kelco
<b>Phase B</b>			
Covarine White WN 9787	Titanium Dioxide, Glycerin, water	9.00	Sensient Colors LLC
Covarine Yellow WN 1798	Iron Oxide Yellow, Glycerin, water	1.63	Sensient Colors LLC
Covarine Red WN 3798	Iron Oxide Red, Glycerin, water	0.53	Sensient Colors LLC
Covarine Black WN 9798	Iron Oxide Black, Glycerin, water	0.10	Sensient Colors LLC
AJM- Jetmilled Talc	Talc	2.50	Kobo Products Inc.
RonaFlair SynMica M	Synthetic Mica	5.00	Rona EMD Chemicals
<b>Phase C</b>			
<b>Microease 114S</b>	Synthetic Mica	3.20	<b>Micro Powders, Inc.</b>
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.
<b>Phase D</b>			
Camellia Sinensis Extract in Glycerin	Camellia Sinensis Extract, Glycerin	0.15	Bell Flavors & Fragrance
Barguard CP	Capryl Glycol, Phenoxyethanol & Hexylene Glycol	0.70	Ashland LLC
	<b>Total</b>	<b>100%</b>	

## Procedure

1. Weigh Phase A ingredients: Water, EDTA, TEA and Polysorbate 20 into a separate beaker. Start mixing using propeller blade at slow to medium speed until it is uniform and clear. Now in a separate beaker add Butylene glycol, VeeGum and Xanthan Gum. Mix well make slurry and pour into Water phase. Start heating to 165°F under high speed mixing. Once temp reaches to 165°F, mix for 30 minutes till gum hydrates completely. Check by making drawdown on a white paper.
2. Slowly add Phase B under high speed mixing. Continue high speed mixing till uniform phase is achieved.
3. Mix for 30 minutes. Check for undispersed pigment by making drawdown on white paper.
4. In separate beaker weigh Phase C, except Microease 114S. Heat to 155° F under propeller medium speed mixing till clear. Uniformly disperse Microease 114S under high speed mixing just before emulsification.
5. Pour Phase C into Phase A+B at constant slow rate speed at 155°F to 160°F.
6. Continue for 20 Minutes at same temp and speed with occasional side sweeping.(emulsification step)
7. Cool the batch to 145°F and add Phase D. Maintain 145°F for 15 minutes. Mix for additional 5 minutes and cool down the batch to ambient temperature.
8. Drop the batch in an appropriate container.

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