



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

LOTION WITH MICROPOLY 1160S			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	63.60	N/A
Phase B			
Arlacel 165	Glyceryl Stearate (&) PEG-100 Stearate	6.00	Croda
Permethyl® 102A	Isoeicosane	20.00	Presperse
Hystrene 9718 NF EXT PWDR	Stearic Acid	3.00 PMC	Biogenix
Lipocol S	Stearyl Alcohol	1.00	Lipo Chemicals
Phase C			
Triethanolamine 99%	Triethanolamine	0.40	N/A
Phase D			
Barguard CP	Caprylyl Glycol, Phenoxyethanol, Hexylene Glycol	1.00	Hampford Research Inc.
Phase E			
Micropoly® 1160S	Polyethylene	5.00	Micro Powders, Inc.
	Total	100%	

Procedure

1. In a main kettle, heat Phase A to 70-75°C.
2. In a separate vessel, combine Phase B materials and heat phase to 75-80°C.
3. When both phases are at temperature, add Phase B to Phase A under homogenization. Homogenize for 5 – 10 min. while maintaining 75-80°C.
4. Switch back to prop mixing, and mix batch for an additional 15 min. while maintaining 72-75°C.
5. Add Phase C to Phase AB under prop mixing. Increase speed as the batch starts to build in viscosity.
6. Cool batch to 35°C.
7. Add Phase D and mix until homogeneous.
8. Add Phase E and mix until homogeneous. Cool batch to room temperature.