

Presperse Finished Products

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Naturally Sheer

(Foundation with SPF)

Formula #: 33-79-2, Date : 4/28/10

WHAT IS IT?	A moisturizing foundation for the face that is lightly tinted to give sheer coverage with sun protection.		
HOW DO YOU USE IT?	Apply a small amount onto a sponge applicator or finger and gently and evenly apply to face.		
WHO SHOULD USE IT?	Anyone who wants a sheer coverage foundation that evens out skin tone with the benefits of sunscreen.		
WHAT DOES IT DO?	MT-100AQ provides good transparency and UV ray shielding, while having excellent water dispersibility. A smooth, velvety texture is produced by GANZPEARL GM-2000 which in turn gives excellent application properties. SOYPOL helps maintain the moisture balance of the skin while providing skin lightening properties which help in evening out the skin tone.		
Trade Name	INCI Name	Supplier	% W/W
PHASE A			
Deionzed Water	Water	N/A	60.17
CMC 7H3SF	Sodium Carboxyl Methycellulose	Hercules Inc., Aqualon Division	0.30
Veegum HV	Magnesium Aluminum Silicate	RT Vanderbilt	0.35
Butylene Glycol	Butylene Glycol	Ruger Chemical	3.50
TEA 99%	Triethanolamine	Dow Chemical	1.25
Trilon BD	Disodium EDTA	BASF	0.05
PHASE B			
AQUASPERSABIL RED IRON OXIDE	Iron Oxide (and) Sodium C14-16 Olefin Sulfonate	Presperse, LLC	0.18
AQUASPERSABIL YELLOW IRON OXIDE	Iron Oxide (and) Sodium C14-16 Olefin Sulfonate	Presperse, LLC	0.60
AQUASPERSABIL BLACK IRON OXIDE	Iron Oxide (and) Sodium C14-16 Olefin Sulfonate	Presperse, LLC	0.10
GANZPEARL GM-2000	Polymethyl Methacrylate	Presperse, LLC	2.00
BARIUM SULFATE HL	Barium Sulfate	Presperse, LLC	1.00
MT-100 AQ	Titanium Dioxide (and) Hydrated Silica (and) Aluminum Hydroxide (and) Alginate Acid	Presperse, LLC	10.00
PHASE C			
PERMETHYL® 102A	Isoeicosane	Presperse, LLC	7.00
Isosteric acid	Isosteatric Acid	Cognis	1.00
Stearic Acid	Stearic Acid	Lipo Chemicals	3.00
Lipo GMS 450	Glyceryl Stearate	Lipo Chemicals	1.80
Liponate TDTM	Tridecyl Trimellitate	Lipo Chemicals	2.00
Lipo GMS 470	Glyceryl Stearate SE	Lipo Chemicals	1.20
PERMETHYL 246C	C18-21 (and) Polyisobutene	Presperse, LLC	2.00
PHASE D			
SOYPOL	Water (and) Natto Gum	Presperse, LLC	1.50
PHASE E			
Euxyl PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	Schulke	1.00

Presperse products appear bold.

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P R O C E D U R E

1. In a main vessel, add water and begin mixing with a prop mixer.
2. In a separate vessel, add Butylene Glycol, Veegum and CMC together. Mix well and add to main vessel.
3. Add TEA to main vessel and mix well.
4. Preblend Phase B together in a blender. Check blend for streaking and reblend if necessary. If streaking is noticed, continue to blend until uniform.
7. Add Phase B to Phase A with homogenization with medium-high speed for 2-3 minutes. Homogenize until uniform and no streaking is present. If streaking is observed, continue to homogenize until uniform.
8. Begin heating Phase AB to 70-75 °C.
9. Combine Phase C and heat to 70-75 °C.
10. When both phases are at the proper temperature, add Phase C to the Phase AB with homogenization. Homogenize with high speed for 3-4 minutes.
11. Prop mix batch and cool to 40-45 °C and Add Phase D. Mix until uniform.
12. Add Phase E at 40-45 °C and mix until uniform.
13. Cool to room temperature.

INGREDIENT	FUNCTION
AQUASPERSABIL RED, YELLOW, BLACK IRON OXIDE	Surface treated iron oxide, which improve dispersibility in water
BARIUM SULFATE HL	Excellent skin adhesion and wear
GANZPEARL GM-2000	Improves smoothness and spreadability
MT-100 AQ	Excellent UV shielding and dispersibility in water
PERMETHYL 102A	Provides a satiny feel and produces high sheen
PERMETHYL 246C	Moisturizing with film formation and cushion
SOYPOL	Maintains moisture balance and has skin lightening properties

S P E C I F I C A T I O N S

APPEARANCE	Beige, opaque, semi-solid liquid
VISCOSITY	15,000-30,000 cps (spindle #6, 10rpm @1min)

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