

## HOC Matte Kaolin foundation with GA Hydrophilic Pigments

GA Hydrophilic treated pigments disperse easily in water with moderate agitation to develop uniform color. HOC-0801 Matte Kaolin provides a satiny feel and a non-shiny, matte appearance.

Ingredient	INCI Name	Supplier	%
<b>Phase 1</b>			
Deionized Water	Aqua/Water		52.06
Disodium EDTA	Disodium EDTA		.10
Sodium Chloride	Sodium Chloride		.30
<b>Phase 2</b>			
Natrosol® 250 MR	Hydroxyethylcellulose		.40
Butylene Glycol	Butylene Glycol		3.50
<b>Phase 3</b>			
GA-7811 Titanium Dioxide	Titanium Dioxide, Galactoarabinan	Color Techniques	2.00
GA-7131 Yellow Iron oxide	Iron Oxides, Galactoarabinan	Color Techniques	.62
GA-7206 Red Iron Oxide	Iron Oxides, Galactoarabinan	Color Techniques	.15
GA-7403 Black Iron Oxide	Iron Oxides, Galactoarabinan	Color Techniques	.07
A-0061 Sericite	Mica	Color Techniques	.80
<b>Phase 4</b>			
Dermol® 20-SS	Octyldodecyl Stearoyl Stearate	Alzo	3.00
Amphisol® K	Potassium Cetyl Phosphate	DSM	2.00
Tween® 20	Polysorbate 20	Croda	.50
Abil® WE-09	PEG/PPG 18/18 Cetyl Dimethicone, Polyglyceryl-4 Laurate, Hexyl Laurate	Evonik	4.00
Ceraphyl® SLK	Octyldodecyl Neopentanoate	Ashland	5.00
Montanov® L	Cetearyl Glucoside	Seppic	3.00
Arlacel® 165	Glyceryl Stearate, PEG-100 Stearate	Croda	1.00
Xiameter® PMX-345 Fluid	Cyclopentasiloxane	Dow Chemical	3.00
Eusolex® OS	Octisalate	EMD Performance Mtls.	5.00

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Ingredient	INCI Name	Supplier	%
Escalo® 557	Octinoxate	Ashland	7.50
Parsol® 1789	Avobenzone	DSM	5.00
<b>Phase 5</b>			
HOC-0801 Matte Kaolin	Kaolin, Methyl Methacrylate Crosspolymer	Color Techniques	2.00
<b>Phase 6</b>			
Optiphen®	Phenoxyethanol, Caprylyl Glycol	Ashland	1.00
			100.00

### Manufacturing Procedure:

- 1- Combine Water, Disodium EDTA, NaCl. Begin slow homogenizer agitation.
- 2- Combine and add Butylene Glycol and Natrosol. Heat to 82°C.
- 3- Add pigments and homogenization until dispersed.
- 4- Combine Oil Phase, heating to 82°C. Homogenize and add Phase 4 to combined Phases 1-3.
- 5- Cool to 45°C. Add Phase 5.
- 6- Add Phase 6 and cool to 30°C. Drop batch.