

**Satin Feel Foundation with SiBrid® DE-12 & SS Treated Pigments**

Formula GCA2-22-1

Gelest Inc.'s Stearyl Triethoxysilane (SS) treated pigments and SiBrid® DE-12 promote easier spreading and blending on skin while providing an exceptionally soft and moist afterfeel to liquid foundations. SiBrid® DE-12 DiEthicone is an excellent vehicle for wetting and dispersing pigments.

<b>INCI Name</b>	<b>Ingredient</b>	<b>Supplier</b>	<b>Wt%</b>
<b>Phase A</b>			
Water (Aqua)	Deionized Water		49.10
Magnesium Sulfate			0.20
<b>Phase B</b>			
Butylene Glycol			6.00
Benzoic Acid			0.20
<b>Phase C</b>			
<b>Polydiethylsiloxane</b>	<b>SiBrid® DE-12</b>	<b>Gelest</b>	<b>5.00</b>
Cyclopentasiloxane	DC 245 Fluid	Dow Corning	5.00
Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	KF 6038	Shin-Etsu	3.00
Cyclopentasiloxane & C30-45 Alkyl Cetearyl Dimethicone Crosspolymer	Velvesil 125	Momentive	10.0
<b>Phase D</b>			
Laureth-7	Rhodasurf L-7/90	Rhodia	0.50
<b>Phase E</b>			
<b>Polydiethylsiloxane</b>	<b>SiBrid® DE-12</b>	<b>Gelest</b>	<b>12.00</b>
<b>Titanium Dioxide (&amp; Stearyl Triethoxysilane</b>	<b>Titanium Dioxide SS</b>	<b>Gelest</b>	<b>8.00</b>
<b>Talc (&amp; Stearyl Triethoxysilane</b>	<b>Talc SS</b>	<b>Gelest</b>	<b>4.10</b>
<b>Iron Oxides (&amp; Stearyl Triethoxysilane</b>	<b>Yellow Iron Oxide SS</b>	<b>Gelest</b>	<b>1.20</b>
<b>Iron Oxides (&amp; Stearyl Triethoxysilane</b>	<b>Red Iron Oxide SS</b>	<b>Gelest</b>	<b>0.50</b>
<b>Iron Oxides (&amp; Stearyl Triethoxysilane</b>	<b>Black Iron Oxide SS</b>	<b>Gelest</b>	<b>0.20</b>
<b>Total</b>			<b>100.00</b>

**Procedure:**

- Mix Phase A under propeller blade. Premix Phase B while warming to dissolve.
- Add to Phase A and stir. Premix first three ingredients in Phase C. Once uniform, add remaining ingredient and slowly homogenize.
- Add Phase D to Phase C and homogenize.
- Premill Phase E. Add Phase E to Phase CD and homogenize until dispersed.
- Add Phase AB to Phase CDE and continue homogenizing until emulsified.
- Increase speed and homogenize for additional 5 minutes.

Formula courtesy of



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