

## Eyeliner with Hydrosperse (HS) Pigments

Gelest's Hydrosperse (HS) surface treated pigments disperse without milling to give fine pigment particle size and full color development.

INCI Name	Ingredient	Supplier	Wt%
<b>Phase A</b>			
Water (Aqua)	Deionized Water		69.49
Butylene Glycol			6.00
Preservative			0.30
<b>Phase B</b>			
Water	Deionized Water		4.00
Tromethamine	Tris Amino®	Dow	1.00
<b>Phase C</b>			
Shellac		Mantrose-Haeuser	1.00
<b>Phase D</b>			
Hydroxyethylcellulose	Natrosol™ 250 MR	Hercules	0.50
<b>Phase E</b>			
Iron Oxides (&) Disodium Carboxyethylsiliconate	Black Iron Oxide HS	Gelest/Paradigm Science	10.00
<b>Phase F</b>			
Cera Alba	White Beeswax		4.00
Ceryl Alcohol	Alfol™ 16	Sasol	1.25
Sorbital Stearate	Span™ 60	Croda	1.00
Copernica Cerifera (Carnauba) Wax	Carnauba Wax		0.50
Hydrogenated Polyisobutene	Panalane® H-300E	Lipo	0.50
Preservative			0.10
<b>Phase G</b>			
Preservative			q.s.
Water (Aqua)	Deionized Water		q.s.
<b>Total</b>			<b>100</b>

**Procedure:**

- Combine Phase F and heat to 85-90°C. Combine Phase A and heat to 50°C. Premix Phase B and add to Phase A. Add Phase C to Phase AB and stir slowly until dissolved.
- Add Phase D to Phase ABC and homogenize while increasing heat to 80°C.
- At 80°C, add Phase E to Phase ABCD and heat to 85-90°C while homogenizing.
- When Phase ABCDE and Phase F reach 85-90°C, add Phase F to Phase ABCDE under homogenization. Hold temperature and mix for additional 15 minutes. Cool to 45°C and add Phase G. Continue to cool to 30°C.

Formula courtesy of 

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