

Black Eye Liner AX-47-280E

Trade Name	INCI Name	Company	Percent
A Deionized Water	Water		31.40
A K Sorbate	Potassium Sorbate	Honeywell	0.30
B Keltrol T	Xanthan Gum	Kelco	0.25
B Natrosol 330 CS	Cetyl Hydroxyethylcellulose	Hercules	0.05
B Glycerin	Glycerin		1.25
B Zemea	Propanediol	Dupont Tate & Lyle	1.25
C Black Iron Oxide	Black Iron Oxide	Sun Chemical	5.00
D Carnauba Wax	Carnauba Wax	Strahl & Pitsch	1.00
D Permethyl 101A	Isohexadecane	Presperse	1.50
D PECOSIL ARS-09	Phenyl Isopropyl Dimethicone	Phoenix Chemical	5.00
E Simulgel NS	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer & Squalane & Polysorbate 60	Seppic	2.00
F Phenoxyethanol	Phenoxyethanol	Rhodia	1.00
G Syntran 5760	Methylparaben & Propylparaben		
	Styrene/Acrylates Ammonium Methacrylate Copolymer	Interpolymer	40.00
H GIOVAREZ BTB-50	Isododecane & Behenyl Methacrylate/t-butyl Methacrylate	Phoenix Chemical	1.00
			100.00

Procedure: Heat water to 70-75C and add remainder of **Phase A** mixing gently until uniform. Add pre-mixed **Phase B** to **Phase A** and homogenize until the gums are completely swelled and uniform. Add **Phase C** and continue to mix until uniform. In a separate beaker weigh ingredients of **Phase D** and heat to 70-75C. When the temperature of both phases is 70-75C add **Phases A/B/C** to **Phase D**, homogenize for 5 minutes. Begin to cool the batch to 55-60C and add **Phase E**. Continue to homogenize for 10 minutes. Switch to side sweep agitation and cool batch to 45-50C. Add **Phase F** mix until uniform. Add **Phase G** mix 5 minutes or until uniform. Add **Phase H** and cool batch to room temperature.

Characteristics of Eye Liner: Thin, glossy, black substantive emulsion

Ingredients

PECOSIL ARS-09

GIOVAREZ BTB-50

Function

Provides high gloss

Provides a flexible water-insoluble film