

Category: Makeup – Eye

LF1-283: Dermothix 100 Mascara

Ingredient	INCI	Supplier	W/W%
Phase A (aqueous)			
Water DI	Water	--	60.5
Sumecton SWN	Lithium Magnesium Sodium Silicate	Kobo	2
1,3 Butylene Glycol	Butylene Glycol	Alzo International	4
Polyderm PPG-17	PPG-17/IPDI/DMPA Copolymer	Alzo International	10
Phase B (thickener)			
Dermothix 100	Disteareth-100 IPDI	Alzo International	2.5
Polyderm PPI-CO-40	PEG-40 Hydrogenated Castor Oil/IPDI Copolymer	Alzo International	5
CUPL PIC	PPG-2 Isoceteth-20 Acetate	Alzo International	5
Phase C (pigment)			
Black Iron Oxide AQ	Iron Oxide Black (and) PEG 12 Dimethicone	Sensient	3
Covalumine Sonoma Black AS	CI 77499 (and) Alumina (and) Triethoxycaprylylsilane	Sensient	2
Cell-U-Lash 90	Cellulose	Kobo	2.5
Cell-U-Lash 40	Cellulose	Kobo	2.5
Phase D (preservatives)			
Dermol CG	Caprylyl Glycol	Alzo International	0.5
Dowenol EPH	Phenoxyethanol	Dow	0.5
Total			100.0

Manufacturing Procedure:

- 1) Slowly disperse the SWN into the water/butylene glycol or wet the SWN with the butylene glycol and then gradually add to water with mixing. Add the PPG-17 and heat to 70-75° C.
- 2) Melt the Dermothix 100 into the PPI-CO-40 and the CUPL PIC. Heat to 70-75°C.
- 3) Combine Part A and Part B with mixing, then begin cooling to room temperature.
- 4) Add Phase C and mix until homogenous.
- 5) Below 40° C, add Phase D and mix until homogenous.

Alzo Ingredient Benefits:

Dermothix 100 – water soluble polyurethane thickener and gelling agent. It is self-leveling and exhibits unique flow properties, which improve application and payoff on the lashes

Polyderm PPG-17 – water-based polyurethane/polyester microemulsion that provides a flexible, water resistance film for hair styling & mascara products

Polyderm PPI-CO-40 – Water-soluble polymer derived from Castor Oil that provides lubricity and slip to the formula, and also provides long-lasting substantivity due to the urethane moiety