

Category: Hair Styling

CM1-119: Polyderm Frizz Control Serum

Ingredient	INCI	Supplier	W/W%
Phase A (aqueous)			
DI Water	Water	--	88.75
Dermothix 100	Disteareth-100 IPDI	Alzo International	1.5
Phase B (polymers)			
Polyderm PE-PA ED	Polyurethane 58	Alzo International	5
Polyderm PPI-SI-WS	Bis-PEG-15 Dimethicone/IPDI Copolymer	Alzo International	2
Dermol DISM	Diisostearate Malate	Alzo International	2
Phase C (preservative)			
Nipaguard SCV	Sorbitan Caprylate (and) Propanediol (and) Benzoic Acid	Clariant	0.75
Total			100.00

Manufacturing Procedure:

- 1) In a beaker, heat water & propanediol to 70-75° C, then add Dermothix 100 and mix until uniform, clear solution is formed.
- 2) Begin cooling towards room temperature and add polymers one at a time. Mix until batch is uniform before adding the next polymer.
- 3) Below 40° C, add preservative and mix until homogenous

Alzo Ingredient Benefits:

Dermothix 100 – water soluble thickener and gelling agent for aqueous systems; high internal phase o/w emulsifier; broad pH stability 2-12

Dermol DISM – branched ester with excellent spreadability that provides shine to hair & makeup products

Polyderm PE-PA ED – water-based polyurethane to provides hold and water-resistance in hair & makeup products hair

Polyderm PPI-SI-WS – a water-soluble silicone-urethane polymer conditioner for clear systems. It provides excellent slip in hair, makeup & skin products