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Category: Hair Styling

LF1-209: Hair Hold + Shine Gel

Ingredient	INCI	Supplier	W/W%
Phase A (aqueous)			
DI Water	Water	--	63.5
Zemea	Propanediol	DuPont Tate & Lyle Bio Products	9
Cupl PIC	PPG-2 Isoceteth-20 Acetate	Alzo International	4
Dermothix 100	Disteareth-100 IPDI	Alzo International	5
Phase B (polymers)			
Polyderm PE-PA ED	Polyurethane 58	Alzo International	9
Polyderm PPI-SI-LSA	Bis-Hydroxyethoxypropyl Dimethicone/ PEG-2 Soyamine/IPDI Copolymer	Alzo International	9
Phase C (preservative)			
Nipaguard SCV	Sorbitan Caprylate (and) Phenoxyethanol (and) Benzyl Alcohol (and) Benzoic Acid	Clariant	0.5
Total			100.0

Manufacturing Procedure:

- 1) In a beaker, heat water, propanediol & Cupl PIC 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

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

Polyderm PPI-SI-LSA – cationic copolymer with superior wear and conditioning due the combination of amine, silicone and urethane moieties