

WATER RESISTANT MASCARA ZENIGLOSS

	INGREDIENT	FUNCTION	% BY WEIGHT
1. D	eionized Water		41.60
2.	Polyvinylpyrrolidone	Dispersant, film former	2.00
3. H	ydroxyethylcellulose	Thickener	0.30
4. T	riethanolamine 99%	Neutralizer	1.00
5. Bl	ack Iron Oxides	Color	10.00
6. (F	umed) Silica	Thickener	0.20
7. Bu	tylene Glycol	Humectant	4.00
8. Met	hyl Paraben	Preservative	0.20
9.	Stearic Acid	Emulsifier (with Tea)	3.50
10.	Glyceryl Stearate, Potassium stearate	Co-emulsifier	3.00
11	White Beeswax	Film forming wax	4.50
12. Can	delilla	“	2.80
13. C	arnauba	“	3.50
14.	Zenigloss, Castor Isostearate Succinate P	lasticizer	1.00
15. Propy	l Paraben	Preservative	0.10
16.	PPG-17/IPDI/DMPA Copolymer	Film former	20.00
17. D	eionized Water		2.00
18. Diazolidin	yl Urea	Preservative	0.30
			100.00

Manufacturing instructions: Wax Phase: Combine and heat to 85-90°C with stirring

Water Phase: Tare beaker and add water. Begin heating to 70°C. Add PVP while homogenizing. When dissolved, add Natrosol. When dissolved, add TEA. Add pigment and Silica. Dissolve Methyl Paraben in Butylene Glycol and add. Adjust temperature to 85-90°C. (I generally add ~30 g excess water to compensate for loss).

Add wax to water while homogenizing. Maintain temperature and agitation for 15 minutes. Cool to 60°C.

Check weight, adding back water if necessary. Slowly, add PPG-17/IPDI/DMPA. When dispersed, turn off homogenizer. Cool to 45°C with side sweeping agitation. Combine water and Urea add to batch. Cool to 30°C. Drop batch.

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