

## Guide Formulation

### Personal Care

# Water Resistant Mascara

**Containing: BC 99/030, Stearyl Dimethicone  
BC Cyclomethicone 5, Cyclopentasiloxane  
BC 2153, PEG-12 Dimethicone**

In this mascara formulation BC 2153 and BC Cyclomethicone are used for softness and lubricity.

BC 99/030 adds structure and aids water resistance.

Raw Material	Weight %	Trade Name / Supplier
<u>Part 1</u>		
Beeswax	4.0	Koster Keunen, Inc
Carnauba Wax	4.0	Koster Keunen, Inc
Candeilila Wax	2.0	Koster Keunen, Inc
<b>BC 99/030</b> , Stearyl Dimethicone	3.0	<b>Basildon Chemicals</b>
Stearic Acid	2.0	Koster Keunen, Inc
Glyceryl Stearate	5.0	Cognis
Isopropyl Myristate	3.0	Croda Chemicals
Petrolatum	4.0	
<b>BC Cyclomethicone 5</b> , Cyclopentasiloxane	3.0	<b>Basildon Chemicals</b>
<u>Part 2</u>		
Carbomer (Carbopol ETD 2050)	0.1	Noveon, Inc
Magnesium Aluminum Silicate	0.5	Vanderbilt
Iron Oxide Black	12.0	
Deionised water	41.9	
PPG-17/IPDI/DMPA copolymer	15.0	Noveon Inc
<b>BC 2153</b> , PEG-12 Dimethicone	0.5	<b>Basildon Chemicals</b>
Preservative	q.s	-
<u>Part 3</u>		
Triethanolamine (99%)	To ph 7.5	

### Method

- Mix the carbomer and the magnesium aluminum silicate powders together and add to the deionised water while mixing. Continue mixing at high speed until fully dispersed.
- Add the remaining ingredients of part 2 and homogenise. Once homogenous, heat to 60°C.
- Combine the ingredients of Part A without the BC Cyclomethicone 5 and heat to 85°C. Once at 85°C add the BC Cyclomethicone 5.
- Add Part A to Part B and homogenise.
- Adjust the pH to 7.5 with triethanolamine.
- Cool with gentle stirring

Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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