

## Guide Formulation

### Personal Care

# Lotion Foundation

**Containing: BC 2231, Cyclopentasiloxane and Dimethiconol  
BC Cyclomethicone 5, Cyclopentasiloxane  
BC 2161, Dimethicone and Trimethylsiloxysilicate**

This lotion foundation formulation contains BC 2231 for a velvety soft feel and BC Cyclomethicone 5 to aid the spreading of actives. BC 2161 is used to add film-forming properties and to aid the deposition of pigment

Raw Material	Weight %	Supplier
<u>Part 1</u>		
BC Cyclomethicone 5, Cyclopentasiloxane	4.0	Basildon Chemicals
BC 2231, Cyclopentasiloxane & Dimethiconol	4.0	Basildon Chemicals
BC 2161, Dimethicone (&) Trimethylsiloxysilicate	1.5	Basildon Chemicals
Decyl Oleate	2.0	A & E Connock
Glyceryl Stearate	3.0	Croda
Cetearyl alcohol	3.0	Croda
<u>Part 2</u>		
Propylene Glycol	5.0	BASF
Sorbitan Stearate	2.5	A & E Connock
Preservative	q.s	-
Fragrance	q.s	-
Water	To 100%	-
<u>Part 3</u>		
Acrylates Copolymer	1.0	Noveon Inc.
Cosmetics Pigments	Approx 5.0	-

#### Method

- Combine ingredients of Part 1 and heat with mixing to 75 - 80°C
- Combine ingredients of Part 2 and heat with mixing to 75 - 80°C
- Slowly add Part 2 to Part 1 while mixing at high speed
- Cool with mixing
- Pre-grind the ingredients of Part 3 and add the batch when the temperature is approximately 30°C

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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