

# ColorMoist Crème-to-Powder SPF Foundation

Formula KCP-004B

Est. SPF 30

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
<b>1</b>	5.20	<b>SF1528</b>	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	<b>Momentive/Kobo Products</b>
	4.72	<b>SF1202</b>	Cyclopentasiloxane	<b>Momentive/Kobo Products</b>
	1.75	<b>SF96-20</b>	Dimethicone	<b>Momentive/Kobo Products</b>
	0.75	Crill 6	Sorbitan Isostearate	Croda
	0.75	Liposorb® O	Sorbitan Oleate	Lipo Chemicals
	0.10	Propyl Paraben NF	Propylparaben	International Sourcing
<b>2</b>	13.00	<b>SF1528</b>	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	<b>Momentive/Kobo Products</b>
	10.00	<b>CM3K40T4</b>	Cyclopentasiloxane (And) Titanium Dioxide (And) PEG-10 Dimethicone (And) Alumina (And) Methicone	<b>Kobo Products</b>
	10.00	<b>BTD-401</b>	Titanium Dioxide (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	5.00	<b>GMS-I2</b>	Mica (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	3.00	<b>ASO-I2</b>	Aluminum Starch Octenylsuccinate (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	3.00	<b>SERICITE O-I3</b>	Mica (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	2.00	<b>SF1202</b>	Cyclopentasiloxane	<b>Momentive/Kobo Products</b>
	0.51	<b>BYO-I2</b>	Iron Oxides (C.I. 77492) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.25	<b>NYLON 10-I2</b>	Nylon-12 (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.21	<b>BRO-I2</b>	Iron Oxides (C.I. 77491) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
	0.06	<b>BBO-I2</b>	Iron Oxides (C.I. 77499) (And) Isopropyl Titanium Triisostearate	<b>Kobo Products</b>
<b>3</b>	5.00	Propylene Glycol	Propylene Glycol	RITA Corp.
	0.10	Keltrol F	Xanthan Gum	CP Kelco
	0.10	Methyl Paraben NF	Methylparaben	International Sourcing
<b>4</b>	20.00	Deionized Water	Water	
	1.75	Sodium Chloride	Sodium Chloride	Morton Salt
<b>5</b>	3.00	Syncrowax HGL-C	C18-36 Acid Triglycerides	Croda
	2.00	Syncrowax BB-4	Synthetic Beeswax	Croda
	0.25	Vitamin E Acetate	Tocopheryl Acetate	Roche
<b>6</b>	5.00	<b>VELVESIL DM</b>	Dimethicone (And) Cetearyl Dimethicone Crosspolymer	<b>Momentive/Kobo Products</b>
<b>7</b>	2.00	Deionized Water	Water	
	0.35	dl-Panthenol	Panthenol	Roche
	0.15	Germall® 115	Imidazolidinyl Urea	ISP

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### Manufacturing Procedure

\*Use explosion-proof mixers and equipment during batching process\*

- Combine Part 1 raw materials and mix with a homogenizer. Combine Part 2 ingredients and add to Part 1. Homogenize for 30 minutes.
- Combine the Methylparaben and Propylene Glycol. Stir until dissolved. Slurry in the Xanthan Gum.
- Combine the Water and Sodium Chloride to form the salt solution.
- Combine Parts 3 and 4 to form the aqueous part.
- Add the aqueous Parts 3 and 4 very slowly to Silicone Pigment Parts 1 and 2 using the homogenizer. Add Part 5 to the main batch at 75-80°C. Continue homogenization. Q.S. Cyclomethicone loss.
- At 70-75°C add Part 6 (Velvesil) to main batch. Add the Panthenol/Germall® solution. Homogenize for no more than 10 minutes. Fill into appropriate containers.

### Description

This crème-to-powder foundation provides an Estimated SPF 30. A combination of Kobo's Pigmentary Grade Titanium Dioxide, BTD-401, and Kobo's Titanium Dioxide Dispersion, CM3K40T4, provides broad range UV protection. The combination of Kobo's ITT-Treated powders, GMS-I2, ASO-I2, Nylon 10-I2 and Sericite O-I3, provides the basis for the crème-to-powder texture. Kobo's ITT-Treated Pigments disperse easily and aid in ease of manufacturing along with color consistency. A silicone base imparts excellent slip upon application to the skin, while Vitamin E and Pro-Vitamin B5 condition and moisturize the skin. SF1528 is an excellent W/O emulsifier.

### Notes

Active Ingredient(s)	
Titanium Dioxide	13.10%

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# KOBO

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# The Powder & Dispersion Specialist

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