

Liquid to Powder Sheer Coverage Foundation

Formula# 5/19-402/358/131-8

Features

- O/W Emulsion foundation.
- Light coverage for evening skin tone.
- Powdery, breathable skin feel.

Color Cosmetics

Emulsion

Traditional Ingredients

Vegan

Formula

Kostol PGP

Non-ionic o/w emulsifier. Provides a quick break and light feel, without affecting viscosity. Designed for multiple formula types, wide pH tolerance. Usage level 2-6%.

Kester Wax K-72

Naturally derived wax ester of plant origin. High melt point solid wax, provides structure and easy payoff in anhydrous applications. Emollient, jojoba wax alternative. Usage level 1-10%.

Kester Wax K-24

Naturally derived wax ester of plant origin. Low melt point semi-solid, melts on body contact, provides cooling sensation. Adds slip, reduces greasy feel, dimethicone alternative. Usage level up to 50%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	55.4
Glycerin	Glycerin	3.0
Keltrol CG-SFT ²	Xanthan Gum	0.6
<i>Phase B</i>		
Kostol PGP ¹	Polyglyceryl-3 Stearate, Beheneth-5	3.5
Kester Wax K-72 ¹	Behenyl Behenate	1.5
Kester Wax K-24 ¹	Lauryl Laurate	3.5
Kester Wax K-82P ¹	C18-38 Alkyl Hydroxystearoyl Stearate	0.5
Jeechem GMS-165 ³	Glyceryl Stearate (and) PEG-100 Stearate	1.0
Belsil DM 5 ⁴	Dimethicone	5.0
<i>Phase C</i>		
Titanium Dioxide 325 ⁴	Titanium Dioxide	8.90
Sipernat 11 PC ⁵	Hydrated Silica	3.53
Unipure Red LC 388 ⁶	Iron Oxides CI 77491	0.26
Unipure Yellow LC 182 ⁶	Iron Oxides CI 77492	0.60
Unipure Black LC 989 ⁶	Iron Oxides CI 77499	0.07
Jeechem CTG ³	Caprylic/Capric Triglyceride	10.64
<i>Phase D</i>		
Optiphen ⁴	Phenoxyethanol, Caprylyl Glycol	1.0
Rita HA C-1-C ⁷	Sodium Hyaluronate	1.0

Procedure

- Premix glycerin and xanthan gum, add to Phase A and heat to 80–85°C while mixing until uniform.
- Mix and melt Phase B at 80-85°C until uniform.
- Combine Phase C (Color Base) ingredients and mill until homogeneous and then slowly add to Phase B.
- Add the Phase B/C mixture to Phase A while mixing.
- When emulsion is smooth, begin cooling, add Phase D around 50°C. Cool to RT and fill desired containers.

Stability Information:

Three months at room temperature, three months at 45 °C, three freeze/thaw cycles.

Supplier Information:

1. Koster Keunen, Inc.; 2. CP Kelco; 3. Jeen; 4. Brenntag Specialties; 5. Evonik; 6. Sensient; 7. Rita.

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