

UV Balance Foundation

Formula KLF-042C



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	12.00	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive/Kobo Products
	2.50	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.50	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	2.50	SS4230	Cyclopentasiloxane (And) Trimethylsiloxysilicate	Momentive/Kobo Products
	2.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
	0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive/Kobo Products
2	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	VWR Scientific Products
3	17.50	UV BALANCE FAS60UVP100	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Alumina (And) Hydrogen Dimethicone	Kobo Products
	7.03	SF1202	Cyclopentasiloxane	Momentive/Kobo Products
	4.00	FAS50EYSI	Iron Oxides (C.I. 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
	2.00	FAS70USI	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
	0.80	FAS55ERSI	Iron Oxides (C.I. 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
	0.27	FAS60EBSI	Iron Oxides (C.I. 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products
4	37.50	Deionized Water	Water	
	3.50	Butylene Glycol	Butylene Glycol	Ruger Chemical Co., Inc.
	1.25	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.90	Sodium Chloride	Sodium Chloride	Morton Salt
	0.50	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.50	Tween™ 20	Polysorbate 20	Croda
		100		

Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully dispersed. Homogenize at least 20 minutes at 3000 RPM.
2. Add Part 2 to dispersed Part 1 at room temperature. Homogenize for 15 minutes.
3. Add Part 3 to dispersed Parts 1 and 2 at room temperature and homogenize until dispersed.
4. Add Part 4 ingredients together in separate tank and slowly add to Parts 1, 2 and 3 with homogenization.

Description

This UV Balance, sheer foundation has excellent slip and playtime. UV Balance FAS60UVP100, Kobo's Titanium Dioxide Dispersion, helps provide a 3:1 ratio of SPF to PFA. The FAS Dispersions of Iron Oxides give color consistency and ease of manufacturing. SF1528 is an excellent W/O emulsifier and SS4230 helps give wear. SF1202 gives playtime during application while SF1555 helps with feel in application.

Notes

Active Ingredient(s)	9.27%
Titanium Dioxide	

SPF testing: in vivo on 3 subjects

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Formulations

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The Powder & Dispersion Specialist

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