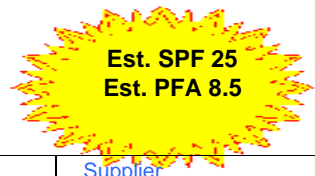


Daily Wear UV Balanced Lotion

Formula KSL-136C



Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	30.00	INH73MZ	Zinc Oxide (And) Isononyl Isononanoate (And) Polyglyceryl-6 Polyricinoleate (And) Isopropyl Titanium Triisostearate	Kobo Products
	5.00	KF-995	Cyclopentasiloxane	Shin Etsu
	5.00	CE45S4	Trioctyldodecyl Citrate (And) Titanium Dioxide (And) Stearic Acid (And) Aluminum Hydroxide	Kobo Products
	5.00	ABIL® WE 09	Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	Evonik
	3.00	SILSOFT 034	Caprylyl Methicone	Momentive/Kobo Products
	1.00	SF96-350	Dimethicone	Momentive/Kobo Products
	0.50	Crill 3 NF	Sorbitan Isostearate	Croda
2	43.81	Deionized Water	Water	
	3.50	Aculyn™ 44	PEG-150/Decyl Alcohol/SMDI Copolymer	Rohm & Haas
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	0.50	Polysorbate 20	Polysorbate 20	Ruger Chemical Co., Inc.
3	0.60	FAF40TRY	Cyclopentasiloxane (And) Iron Oxides (C.I. 77492) (And) Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) PEG/PPG-18/18 Dimethicone	Kobo Products
	0.08	FAF40TRR	Cyclopentasiloxane (And) Iron Oxides (C.I. 77491) (And) Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) PEG/PPG-18/18 Dimethicone	Kobo Products
	0.01	FAS60EBSI	Iron Oxides (C.I. 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane	Kobo Products

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Manufacturing Procedure

- In main kettle, combine Part 1 ingredients and heat to 60-65°C.
- Mix Part 2 ingredients until uniform and add Part 1 under propeller. Mix until uniform. While at 65°C, homogenize for 2 minutes at 3500 rpm.
- Cool to 28°C (room temperature) with water bath.

Description

This transparent, daily-use sunscreen uses Kobo's Zinc Oxide Dispersion, INH73MZ, and Kobo's Titanium Dioxide Dispersion, CE45S4, to give a 3:1 ratio of SPF to PFA. This sheer formula is tinted with Kobo's FAF/FAS Dispersions of transparent Iron Oxides to reduce any whitening. Silsoft 034 and SF96-350 are silicones that give excellent slip during application and afterfeel.

Notes

Active Ingredient(s)	
Zinc Oxide	21.10%
Titanium Dioxide	1.84%

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Formulations

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The Powder & Dispersion Specialist

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