

Shine Control Facial Lotion with Silica Shells

Formula KFL-001B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	20.00	SF1202	Cyclopentasiloxane	Momentive/Kobo Products
	10.00	SFE839	Cyclopentasiloxane (And) Dimethicone/Vinyl Dimethicone Crosspolymer	Momentive/Kobo Products
	10.00	SF1550	Phenyl Trimethicone	Momentive/Kobo Products
	10.00	SF1528	Cyclopentasiloxane (And) PEG/PPG-20/15 Dimethicone	Momentive/Kobo Products
2	5.00	TOSPEARL 145A	Polymethylsilsesquioxane	Momentive/Kobo Products
	2.00	SF1642	C30-45 Alkyl Dimethicone	Momentive/Kobo Products
3	39.30	Deionized Water	Water	
	1.50	SILICA SHELLS	Silica	Kobo Products
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	Ruger Chemical Co., Inc.
	0.20	RITAbate 20	Polysorbate-20	RITA Corp.

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Manufacturing Procedure

Use explosion-proof mixers and equipment during batching process.

1. Combine the ingredients of Part 1, in order shown, thoroughly mixing each component until homogenous before adding the next ingredient. Use a homogenizer for the entire process.
2. When the mixture is homogenous, heat to 60-65°C, and add Tospearl 145A and SF1642 (Part 2).
3. In a separate vessel, combine ingredients of Part 3 in order shown.
4. Slowly add Part 3 to Parts 1 and 2 and mix well.
5. Pour into suitable containers.

Description

This face lotion formulation demonstrates the use of SF1642 as a thickening agent. It offers excellent lubricity and a smooth, silky feel due to Tospearl 145A's sub-micron sphericals, which act as "ball-bearings". SF1550 provides premium compatibility with organic ingredients, allowing formulation flexibility and enhancement. SF1528 is superior for cold processing emulsification, provides high aesthetics and a uniform film, and aids in pigment actives dispersibility. SFE839 is a 5.5% elastomer dispersed in Cyclopentasiloxane, which creates a smooth luxurious feel. SFE839 is a superb film-former and provides a more durable product. Silica Shells will aid in absorbing excess perspiration and sebum from the skin.

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Formulations

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The Powder & Dispersion Specialist

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