

PREMIUM SHAVE CREAM

with Floraesters K-100® Jojoba and Floraesters® 30



This premium shave cream is a chassis for many possible shaving and grooming formulations. It is ideal for shaving legs, face, and sensitive areas. It can be used in an aerosol foam, cream, or gel format. This cream resembles popular shaving products in the EU and other countries with high environmental concerns, avoiding the use of volatile organic compounds such as those produced by aerosols. The emollient Phase, featuring **Floraesters 30**, provides slip and re-fattening of the skin during and after the delipidization that commonly occurs when dragging a blade across the skin surface. The weight of the residual after-feel can be modified by adjusting the amount of whichever emollient you choose to use. For example, replacing 1% of Floraesters 30 with 1% Moringa Butter provides a much richer after-feel.

The product also includes a unique moisturizing system combining **Floraesters K-100 Jojoba** with glycerin for fast and persistent moisturization, while soothing possible redness from shave irritation. Slip, conditioning, and final viscosity can be modified by changing the amount of Celquat SC-230M. The product, despite its richness, rinses off the blades quickly with a small amount of warm water. Lastly, a thixotropic viscosity profile allows for easier mechanical filling and a more stable cream in the finished product.

Phase	Trade Name	INCI	Supplier	%WT
A	Deionized Water	Water	-----	q.s.
	Celquat® SC-230M	Polyquaternium-10	Nouryon	0.30
	Veegum® HV	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	0.40
	Versene® 220 Crystals	Tetrasodium EDTA	The Dow Chemical Co.	0.20
	Chelating Agent			
	Butylene Glycol	Butylene Glycol	Making Cosmetics	2.00
	Glycerin	Glycerin	Cargill Beauty	2.00
	Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Cargill Beauty	1.50
B	Triple Pressed Stearic Acid	Stearic Acid	Essential Ingredients	12.50
	Floraesters 30	Jojoba Esters	Cargill Beauty	3.00
	HallStar® PGMS Pure	Propylene Glycol Stearate	The HallStar Company	3.50
	Ritasynt IP	Glycol Stearate (and) Stearamide AMP	Rita Corporation	1.00
C	Tealan 99%	Triethanolamine	Rita Corporation	q.s.
	Activaloe® Aloe Vera Gel QM 200X Flakes (0.5% Solution)	Aloe Barbadensis Leaf Juice (and) Water	Aloecorp	0.50
	Preservative ¹	-----	-----	q.s.
	Fragrance ²	-----	-----	q.s.

¹ Preservative: Kathon® CG [INCI: Methylchloroisothiazolinone (and) Methylisothiazolinone] supplied by The Dow Chemical Co.

² Fragrance: Zen Fragrance 6110612 [INCI: Fragrance] supplied by Bell Flavors & Fragrances

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PROCESS

1. Combine the deionized water and the Celquat SC-230M of Phase A at room temperature with moderate propeller agitation in a suitable vessel. Heat mixture to 50°C and add the Veegum HV with moderate propeller agitation until fully hydrated.
2. Shift to homomixing, add the Versene 220 Crystals Chelating Agent, and heat to 80°C. Add the remaining ingredients of Phase A with moderate homomixer agitation.
3. Combine all ingredients of Phase B in a separate vessel. Melt and mix at 80°C.
4. Add Phase B to Phase A with moderate homomixer agitation at 80°C until smooth.
5. Shift the mixture to moderate propeller agitation and begin cooling. Add the Tealan 99% of Phase C with moderate propeller agitation at 55-60°C.
6. Cool to 40-45°C and add remaining ingredients of Phase C.
7. Cool to 30°C before filling containers.

CHARACTERISTICS

- pH: 7 - 8
- Viscosity: >160kcP

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PATENTS AND REGULATIONS The information presented herein is intended to illustrate the possible technical applications of our products. However, since the use of this information and our products is beyond our control, any recommendations or suggestions are made without guarantee of warranty in each country and particularly in the absence of patent rights. In addition, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the finished product is to be consumed. It is the responsibility of the user to comply with the patents and the regulations in force.

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