





Premium Shave Cream

Products Highlighted: *Floraesters K-100® Jojoba and Floraesters® 30*



a **Cargill** company

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/Common Name	INCI Name	Manufacturer	%wt/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 Chelating Agent	Tetrasodium EDTA	The Dow Chemical Co.	0.20
	Butylene Glycol	Butylene Glycol	Making Cosmetics	2.00
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	2.00
	Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Floratech	1.50
B.	Triple Pressed Stearic Acid	Stearic Acid	Essential Ingredients	12.50
	Floraesters 30	Jojoba Esters	Floratech	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 Barbadosensis Leaf Juice (and) Water	Aloecorp	0.50
	Preservative ¹	-----	-----	q.s.
	Fragrance ²	-----	-----	q.s.
Total				100.00

Mixing Procedure

- 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.
- 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.
- Combine all ingredients of Phase B in a separate vessel. Melt and mix at 80°C.
- Add Phase B to Phase A with moderate homomixer agitation at 80°C until smooth.
- 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.
- Cool to 40-45°C and add remaining ingredients of Phase C.
- Cool to 30°C before filling containers.

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

Typical Properties: pH: 7 - 8
Viscosity: >160kcp

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability, stability or safety of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent or in the treatment, prevention, or cure of any medical condition. INCI/trade names must be verified with each manufacturer. (Cleared for Public Disclosure)