



Soothing Antiperspirant for Sensitive Skin

Products Highlighted: *Floraesters® 60, Floraesters K-100® Jojoba, and Floramac® 10*



a **Cargill** company

This moisturizing antiperspirant reduces irritation and sensitivity caused by typical antiperspirants. Floraesters K-100 Jojoba and Floraesters 60 provide natural jojoba emolliency which hydrates and soothes skin. Floraesters and Floramac 10 are gentle ingredients making them an ideal choice designed for delicate underarm skin. 🍯*

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Vegarol® 1898	Stearyl Alcohol	Essential Ingredients	17.00
	Castor Wax MP-80	Hydrogenated Castor Oil	Acme-Hardesty Co.	4.00
	Floraesters 60	Jojoba Esters	Floratech	0.50
	Floramac 10	Ethyl Macadamiate	Floratech	1.50
B.	Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Floratech	1.00
	Purac® Hipure 90	Lactic Acid	Corbion	0.10
	SF1202	Cyclopentasiloxane	Momentive Performance Materials	20.00
C.	Dry-Flo® PC	Aluminum Starch Octenylsuccinate	Nouryon	3.00
	Supra® H USP	Talc	Luzenac America, Inc.	0.50
	Reach AZP-908 ¹	Aluminum/Zirconium Tetrachlorohydrate-Gly	Summit Reheis	22.00
D.	SF1202	Cyclopentasiloxane	Momentive Performance Materials	q.s.
	Bentone® Gel TN V	C12-15 Alkyl Benzoate (and) Stearalkonium Hectorite (and) Propylene Carbonate	Elementis Specialties	1.00
	Fragrance ²	-----	-----	q.s.
	Total			100.00

Mixing Procedure

- Combine the ingredients of Phase A in a vessel with heat. Start mixing with propeller agitation at 60-65°C. Continue heating to 70-80°C.
- In a separate vessel, mix the Floraesters K-100 Jojoba with the Purac Hipure 90 of Phase B at room temperature by stirring. Once the mixture becomes a clear liquid, add the SF1202 at room temperature. Begin heating to 70-80°C.
- Add Phase B to Phase A at 70-80°C with medium propeller agitation.
- When the mixture becomes uniform, begin cooling to 65-70°C.
- Add Phase C to Phase AB in the order listed with medium propeller agitation at 65-70°C. The Reach AZP-908 should be added at 65°C.
- In a separate vessel, add the SF1202 to the Bentone Gel TN V of Phase D, gradually to avoid making clumps, at room temperature with medium propeller agitation. When the mixture becomes uniform, add the fragrance.
- When Phase D becomes uniform, begin heating to 60-65°C.
- Add Phase D to Phase ABC with medium propeller agitation at 60-65°C.
- Transfer the mixture into a container at 55-60°C.

¹ Distribution of the AP active was confirmed by analyzing the chloride content in the top, middle, and bottom layers of duplicate antiperspirant sticks. All layers were within 10% of one another.

² Fragrance: Fresh Rain UAE03647/00 [INCI: Fragrance] supplied by Givaudan

Typical Properties: pH: 4 - 5
Hardness: 71 - 85 dmm

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. Cargill has not tested Floraesters 60, Floraesters K-100 Jojoba, or Floramac 10 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer. (Cleared for Public Disclosure)

Date Originated: February 2018

Revision Date: June 2021

File Name: D011

🍯* Efficacy Data Available (ref. Formulator Report FR-01Z: Floraesters® Protect Sensitive Skin)