



Pre-Sun Lotion with Floramac 10



a **Cargill** company

Product Highlighted: **Floramac® 10**

This pre-sun lotion with mineral sunscreen actives provides even coverage and superior protection without drying the skin. Floramac 10 evenly disperses the zinc oxide and titanium dioxide to improve the sunscreen efficacy, boosting static SPF and improving skin feel. *

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	SF1202	Cyclopentasiloxane	Momentive Performance Materials	q.s.
	Bentone Gel® VS-5 PC V	Cyclomethicone (and) Distearidimonium Hectorite (and) Propylene Carbonate	Elementis Specialties	2.50
	UV Cut TiO2-41	Titanium Dioxide (and) Cyclopentasiloxane (and) Hexyl Laurate (and) PEG-10 Dimethicone (and) Polyglyceryl-4 Isostearate (and) Stearic Acid (and) Alumina	Grant Industries	15.00
	UV Cut ZnO-61	Zinc Oxide (and) Cyclopentasiloxane (and) PEG-10 Dimethicone	Grant Industries	25.00
	Floramac 10	Ethyl Macadamiate	Floratech	12.00
	Gransurf 90	Cetyl PEG/PPG-10/1 Dimethicone	Grant Industries	2.50
	Gransil PSQ	Polymethylsilsequioxane	Grant Industries	2.50
	Vitamin E Acetate Preservative	Tocopheryl Acetate	Essential Ingredients	0.20
		-----	-----	q.s.
	B.	Deionized Water	Water	-----
Glycerine 99.7% USP Kosher		Glycerin	Acme-Hardesty Co.	2.00
Butylene Glycol		Butylene Glycol	Making Cosmetics	2.00
			Total	100.00

Mixing Procedure

1. Slowly add the SF1202 to the Bentone Gel VS-5 PC V with stirring. Once mixture is a smooth uniform gel, shift to moderate propeller mixing.
2. Add the remaining ingredients of Phase A in the order listed with moderate propeller agitation. Once combined, mix with moderate homomixing agitation until uniform.
3. In a separate container, mix all the ingredients of Phase B until uniform.
4. Very slowly add Phase B to Phase A with moderate homomixing agitation until smooth.

¹ Preservative: Bronidox® 1160 [INCI: Phenoxyethanol] supplied by BASF Corporation

² The clinical study of S021 was conducted by Eurofins CRL Inc. on a panel with a total of 3 male subjects aged 29-48 for static SPF testing. Testing was conducted according to the US FDA Final Rule; 21 CFR Parts 201 and 310. Final Report available upon request.

**Typical Properties: Viscosity: 31 - 41kCP
Mean SPF (n=3):² 45**

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