**PRE-SUN LOTION WITH FLORAMAC 10 with 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.

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### PROCESS

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.

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**CHARACTERISTICS**

- **Viscosity:** 31 - 41 kcP
- **Mean SPF (n=3):** 24.5

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**Phase** | **Trade Name** | **INCI** | **Supplier** | **% WT**
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A | SF1202 | Cyclopentasiloxane | Momentive Performance Materials | q.s.
| Bentone Gel® VS-5 PC V | Cyclomethicone (and) Distearimonium 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 | Cargill Beauty | 12.00
| Gransurf 90 | Cetyl PEG/PPG-10/1 Dimethicone | Grant Industries | 2.50
| Gransil PSQ | Polymethylsilsequioxane | Grant Industries | 2.50
| Vitamin E Acetate | Tocopheryl Acetate | Essential Ingredients | 0.20
| Preservative | - - - - - | - - - - - | q.s.
| B | Deionized Water | Water | - - - - - | 10.00
| Glycerine 99.7% USP Kosher | Glycerin | Acme-Hardesty Co. | 2.00
| Butylene Glycol | Butylene Glycol | Making Cosmetics | 2.00

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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.**