

## SUN SPORT GEL-CREAM SPF 10

16.187.01 C141

- Claims:**
- A light weight and refreshing gel-cream SPF 10 (*in vitro* test)
  - Global protection UVB, UVA & IR
  - Improvement of the sun-affected areas for a flawless look
  - No alcohol, no skin feel enhancer

PHASE	INGREDIENT	INCI NAME	SUPPLIER	%
A	Deionized Water	Water	-	70.95
	Dermofeel® PA-3	Sodium Phytate (and) Water (and) Alcohol	Dr Straetmans	0.10
	PVP K30	PVP	Ashland	1.00
	Glycerin	Glycerin	Interchimie	2.00
B	Eusolex® 9020	Butyl Methoxydibenzoylmethane	Merck	3.00
	Eusolex® 2292	Ethylhexyl Methoxycinnamate	Merck	4.00
	Uvinul® N 539 T	Octocrylene	BASF	2.00
	Eusolex® OS	Ethylhexyl Salicylate	Merck	5.00
	Cetiol® CC	Dicaprylyl Carbonate	BASF	4.00
	Vitapherole® E-1000	Tocopherol (and) Helianthus Annuus (Sunflower) Seed Oil	VitaeNaturals	0.20
	<b>Lecigel™</b>	<b>Sodium Acrylates Copolymer (and) Lecithin</b>	<b>Lucas Meyer Cosmetics</b>	<b>2.00</b>
C	<b>Melitane™ GL 200</b>	<b>Glycerin (and) Water (and) Dextran (and) Acetyl Hexapeptide-1</b>	<b>Lucas Meyer Cosmetics</b>	<b>0.50</b>
	<b>Canadian Willowherb™</b>	<b>Water (and) Epilobium Angustifolium Flower/Leaf/Stem Extract</b>	<b>Lucas Meyer Cosmetics</b>	<b>0.50</b>
	<b>Miniporyl™</b>	<b>Isopentyl diol (and) Trifolium Pratense (Clover) Flower Extract</b>	<b>Lucas Meyer Cosmetics</b>	<b>2.00</b>
	<b>Neutrazen™</b>	<b>Water (and) Butylene Glycol (and) Dextran (and) Palmitoyl Tripeptide-8</b>	<b>Lucas Meyer Cosmetics</b>	<b>0.50</b>
	<b>Elix-IR™</b>	<b>Water (and) Glycerin (and) Polygonum Aviculare Extract</b>	<b>Lucas Meyer Cosmetics</b>	<b>1.00</b>
D	Verstatil® PC	Phenoxyethanol (and) Caprylyl Glycol	Dr Straetmans	1.10
E	<b>Solaire 2</b>	<b>Fragrance</b>	<b>IFF</b>	<b>0.15</b>

### Manufacturing Procedure:

1. Heat A and B (except Lecigel™) up to 50°C.
2. Add Lecigel™ into the phase B just before emulsifying. Add B into A under maximum stirring to deploy the gel and to emulsify the product during 3 minutes.
4. Cool down under medium stirring.
5. Add C (one by one), D and E below 40°C.
6. Adjust the pH if necessary.

### Formula Specifications:

Aspect: Off-white gel-cream  
 Viscosity (Rheo ELV 8, spindle 4, 6 rpm, 1 min): 35 000 - 55 000 cP  
 pH: 5.7 - 6.2  
 Preservative efficacy test: Pass  
 Pilot batches: 36 kg

### Stability Tests: On lab batches up to 3 kg

Up to 1 month at 50°C  
 Up to 3 months at: Room Temperature, 4-8°C and 45°C  
 Freeze thaw cycles (24h at -18°C and 24h at RT - 2 weeks)  
 Centrifugation (3000 rpm, 20 min): Stable  
 Vibrating table (400 rpm, 4h): Stable