



**PFI4868UV**  
**29/04/20**

### Ideal Soleil SPF 200+

**Description:**

"Ideal Soleil SPF 200+" is a sun cream that was developed to provide high SPF without leaving a white cast on the skin. Vegeflow® 10 ISO 16128 combined with Hectone® DF give a luxurious, rich and soft feel to the formulation. Creasperse® TR 35 AF 65 and Creasperse® PA 4+ durably and efficiently protect the skin from UV rays.

**Key ingredients:**

- Vegeflow® 10 ISO 16128 is a naturally-derived dimethicone substitute that provides softness, emolliency and lubricity to formulations. It forms a non-occlusive film and works as a moisture barrier without blocking the skin.
- Creasperse® PA 4+ is a ready-to-use predispersed UV-filter with high water-resistance and soft skin feel, without tackiness. It is photostable, inert and has an excellent heat stability.
- Hectone® DF is a thickener and thixotropic additive based on predispersed organoclays. It imparts a soft and rich skin feel upon application. It acts as a SPF stabilizer as it prevents the sedimentation of UV-filters.

Ingredient	Phase	INCI Name	Qty%	Function
Vegeflow® 10 ISO 16128	A	Hydrogenated Vegetable Oil	31,98%	Silicone substitute, Emollient
Potassium Cetyl Phosphate		Potassium Cetyl Phosphate	3,00%	Co-emulsifier
Hectone® DF		Hydrogenated Polyisobutene (and) Distearidimonium Hectorite (and) Propylene Carbonate	14,35%	Thixotropic, Prevents sedimentation
Creasperse® TR 35 AF 65		Titanium Dioxide (and) Hydrogenated Polydecene (and) Alumina (and) Stearic Acid (and) Polyhydroxystearic Acid	8,82%	UV-filter
Creasperse® PA 4+		Titanium Dioxide (and) Hydrogenated Polydecene (and) Iron Oxides (CI 77492) (and) Polyhydroxystearic Acid (and) Triethoxycaprylylsilane (and) Alumina	19,85%	UV-filter
Water	B	Water	16,00%	
Preservative		Preservative system according to customer's choice	SQ	
Dedraflow® 5 Luxe	C	Hydrogenated Vegetable Oil (and) Hydrogenated Polyisobutene	5,50%	Silicone substitute, Emollient

ISO 24443 *In Vitro* measurements: SPF: 262 UVA ratio: 7,1 UVA-PF: 36,91 Critical wavelength: 381,25

**Procedure**

Weigh phase A and heat up to 70-75°C.  
In the meantime, weigh phase B and heat up to 70-75°C.  
When both phases are homogeneous, pour B into A under strong stirring.  
Homogenize at 4000-6000 rpm for 5 minutes.  
Leave to cool down under slow stirring.  
At room temperature, add phase C.

**Physicochemical parameters**

At pH 5,3: -42,4mV  
At water pH 5,33: -42,6 mV  
At pH 7,38: -61,5 mV

**ISO 16128 Indexes**

Natural Origin Content: 76,79%  
Natural Content: 16%  
  
Organic Origin Content: 0%  
Organic Content: 0%

**Important**

Hectone® DF should be homogenized before use.  
Creasperse® TR 35 AF 65 should be homogenized before use.  
Creasperse® PA 4+ should be homogenized before use.  
Dedraflow® 5 Luxe should not be heated.