

## Sun Cream Color®

Protecting sun care product with a maximum SPF protection for very delicate skin. The product is based on natural emulsifier, Biomethics® Emulsifier Solanum W/O, which is ideal for water in oil systems. Fully natural yet stable, Biomethics® Emulsifier has good skin compatibility. Creasil® IH CG is a very photostable and light lipid, which combines well with Creasperse® TR14 AF50 and Creasperse® TR35 AF65, a photostable dispersion based on transparent ultrafine TiO<sub>2</sub>.

Ingredients	INCI Name	Qty%	Supplier
<b>Phase A</b>			
<b>Biomethics® Emulsifier Solanum W/O</b>	Solanum Tuberosum (Potato) Starch (and) Helianthus Annuus (Sunflower) Seed Oil (and) Hydrogenated Lecithin (and) Helianthus Annuus (Sunflower) Wax (and) Limnanthes Alba (Meadowfoam) Seed Oil (and) Xanthan Gum (and) Phenoxyethanol	4,00	1)
<b>Creasil® IH CG</b>	Isohexadecane	5,00	1)
<b>Creasperse® TR14 AF50</b>	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	76,00	1)
<b>Phase B</b>			
	Water	q.s.	
	Glycerin	2,00	
	Disodium EDTA	0,05	
	Hexamidine Diisethionate	0,05	
	Chlorphenesin	0,20	
<b>Phase C</b>			
<b>Creasperse® Yellow</b>	(CI 77492) Iron Oxides (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	0,95	1)
<b>Creasperse® Red</b>	(CI 77491) Iron Oxides (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	0,20	1)
<b>Creasperse® Black</b>	(CI 77499) Iron Oxides (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	0,05	1)
<b>Phase D</b>			
	Parfum	0,35	

SPF in vitro : 121,5

UVA Ratio : 0,95

Star Category : \*\*\*\* Maximum,

Critical Wavelength : 384 nm

### Procedure:

1. Heat up phase A to temperature of 70°C- 75°C under slow agitation (400rpm).
2. Heat up phase B to temperature of 70°C- 75°C under slow agitation (400rpm).
3. Add phase B into phase A and stir strongly (800-900rpm) while heating for 20-30 minutes.
4. Homogenize(6000rpm) the mixture (A+B) for 5 minutes.
5. Cool down the mixture (A+B) to temperature below 35°C.
6. Add phase C and D.
7. Homogenize(6000rpm)
8. Adjust the pH value to 5,30 – 5,70.

### Suppliers:

- 1) CIT SARL/COSMO CHEM SARL

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