

## Eospoly® Sun Cream

Light day protection cream with smooth and transparent application. Eospoly® UV-filters are spherical composites of Titanium Dioxide encapsulated into a polymer structure. Eospoly® provides UVB and UVA protection with an instant optical illusion of smoothness and luminosity. Creasperse® UV-dispersions give even, soft application without any risk of sedimentation. Biomethics® Emulsifier has good skin compatibility and does not disrupt skin's barrier as traditional emulsifiers do. Dedraflow® 5 is volatile emollient used as replacement to cyclomethicone. It has similar volatility profile and skin feel. Creasil® IH improves the application qualities. Creanatural® BioCollagen gives skin care benefits. It is film former with excellent moisture retaining properties.

Ingredients	INCI Name	Qty%	Supplier
<b>Phase A</b>			
<b>Biomethics® Emulsifier SolanumW/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)
	PEG-10 Dimethicone	4,50	
	PEG-11 Methyl Ether Dimethicone	0,50	
	Disteardimonium Hectorite	0,80	
	Phenoxyethanol	0,70	
<b>Dedraflow® 5</b>	Hydrogenated Polyisobutene	40,00	1)
<b>Creasil® IH CG</b>	Isohexadecane	8,60	1)
<b>Creasperse® TR 14 IH 50</b>	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	11,00	1)
<b>Creasperse® TR 35 IH 65</b>	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	7,40	1)
<b>CreaBN®</b>	Boron Nitride	1,00	1)
<b>Phase B</b>			
	Water	q.s.	
	Glycerine	2,00	
	Disodium EDTA	0,20	
<b>Phase C</b>			
<b>Creanatural® BioCollagen</b>	Water (and) Glycerine (and) Butylene Glycol (and) Zea Mays (Corn) Starch (and) Natto Gum (and) Citric Acid (and) Chlorphenesin	5,00	1)
	Hyaluronic Acid	0,05	
<b>Phase D</b>			
<b>Eospoly® TR 22 50 HB</b>	Titanium Dioxide (and) Styrene/Acrylates Copolymer (and) Methicone (and) PEG26 – PPG30 Phosphate	4,00	1)

SPF in vitro : 14,5

UVA Ratio : 0,51

Star Category : \*\*

Critical Wavelength : 369nm

### Procedure:

1. Heat up phase A to temperature of 70° C - 75° C and stir at the speed of 500-600rpm until homogenous.
2. Heat up phase B to temperature of 70° C - 75° C and stir at the speed of 500-600rpm until homogenous.
3. Add phase B into phase A under strong agitation (1000-1200rpm) and keep heated for 15 minutes.
4. Homogenize (6000rpm) the mixture (A+B) for 5 minutes and cool down to temperature below 35° C.
5. Mix ingredient in phase C and leave to swell for 15 minutes.
6. Add phases C into the mixture (A+B) and homogenize (6000rpm) for 2-3 minutes.
7. Add phase D under agitation (1000-1200rpm) until evenly dispersed.

**NOTE: Please note that sufficient preservative system needs to be used, we do not guarantee microbiological stability.**

### Suppliers:

- 1) CIT SARL/COSMO CHEM SARL

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