

"1000 Minutes of Colour®" (White)

Transformation type formulation, which develops light skin whitening effect upon application. Based on Coloursphere® composite colourants, which work together with Creasperse® UV-dispersions and create the transformation upon application. Creasperse® UV-dispersions are ready made and easy to use Titanium Dioxide dispersions. They give SPF and high UVA-protection with soft feel. BNpoly® UV Crystals offer light sun protection with amazingly smooth application. Creasil® IH CG and Alphaflow® 30 are suitable lightweight emollients for sun care as they are completely photostable materials. Dedraflow® 5 is used to replace cyclomethicone as it has similar feel and volatility profile. Creaspheres® PMMA WL 6 and Siltext® Velvet are added to improve application qualities and to bring mattness and smoothness to the finished application.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
	Cetyl PEG/PPG-10/1 Dimethicone	2,00	
	Lauryl PEG/PPG-18/18 Methicone	1,00	
Dedraflow® 5	Hydrogenated Polyisobutene	5,50	1)
	Disteardimonium Hectorite	1,20	
	Dimethicone	2,50	
Creasil® IH CG	Isohexadecane	10,00	1)
Alphaflow® 30	Hydrogenated Polydecene	4,00	1)
Meadowfoam Seed Oil®	Limnanthes Alba (Meadowfoam) Seed Oil	3,00	1)
	Cetyl Dimethicone	2,00	
Phase B			
	Water	q.s.	
	Glycerin	6,00	
	Butylene Glycol	3,00	
	PEG-400	3,00	
	Sodium Chloride	1,00	
	Disodium EDTA	0,05	
	Chlorphenesin	0,20	
Phase C			
Coloursphere® White R HL	CI 77891 (Titanium dioxide) (and) Styrene/Acrylates Copolymer	1,92	1)
Creaspheres® PMMA WL 6	Methyl Methacrylate Crosspolymer	3,00	1)
Phase D			
Siltext® Velvet	Hydrogenated Polyisobutene (and) Dimethicone (and) Polyethylacrylate	5,00	1)
Creasperse® TR 35 AF 65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	15,00	1)
BNPoly® UV Crystal TR22	Boron Nitride (and) Titanium Dioxide (and) Dimethicone (and) Isododecane (and) Ethylene/VA Copolymer	2,00	1)
	Parfum	0,40	

SPF in vitro: 34,7

UVA Ratio: 0,69

Star Category: ***

Critical Wavelength: 377

Procedure:

1. Heat up the phase A to temperature of 75°C.
2. Heat up the phase B to temperature of 75°C.
3. When both phases are at 75°C, pour phase B into phase A, keep heating under agitation 800-900 rpm for 15-20 minutes.
4. Homogenize mixture(A+B) for 5 minutes.
5. Cool down the mixture to temperature below 40°C and add phase D. Homogenize for 2-3 minutes.
6. In the end, add phase C and stir at the speed of 500-600 rmp until mixture is homogeneous.
7. Adjust the pH value to 5,80 – 6,50.

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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