

## Waterfree Luxscreen® Cream

Combination of completely photostable lipids provides safe sun protection for the skin. Waterfree sun cream gives water resistancy with amazingly smooth and light application. Based on the Luxscreen® UV dispersions, where mineral UV filters and photostable lipids are encapsulated into polymer structure. Luxscreens® give high SPF and UVA protection without risk of sedimentation. Due to the significantly lower density of the Luxscreen® dispersions, more stable SPF formulations can be created. Creanatural® Vegetable Squalane is a completely photostable vegetable oil ideal for sun care applications. Dedraflow® 5 is a hypoallergenic, volatile emollient and can be used as replacement to cyclomethicone. Creagel® Crystal ID offers water resistancy with its film forming properties. Gel type texture of Creagel® Crystals suits well water free applications. Hectone® DF works as thickener with smooth application. Siltext® Mat is a texture enhancer and gives matte, non-greasy skin feel to the product.

Ingredients	INCI Name	Qty%	Supplier
<b>Phase A</b>			
Creanatural® Vegetable Squalane	Squalane	2,00	1)
Dedraflow® 5	Hydrogenated Polyisobutene	6,00	1)
	Glyceryl Linoleate (and) Glyceryl Oleate (and) Glyceryl Linolenate	2,00	
	Tocopherol Acetate	1,00	
	Isododecane (and) Ethylene/Propylene Copolymer	30,00	1)
Creagel® Crystal ID	Isododecane (and) Ethylene/Propylene Copolymer	30,00	1)
Hectone® DF	Hydrogenated Polyisobutene (and) Distearidimonium Hectorite	10,00	1)
	(and) Propylene Carbonate		
Siltext® Mat	Hydrogenated Polyisobutene (and) Dimethicone Crosspolymer	15,80	1)
<b>Phase B</b>			
Luxscreen® TR22 AF65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Styrene/Acrylates Copolymer	21,00	1)
Luxscreen® TR35 AF65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Styrene/Acrylates Copolymer	12,20	1)

SPF in vitro : 35,9

UVA Ratio : 0,71

Star Category : \*\*\*

Critical Wavelength : 378nm

### Procedure:

1. Mix ingredients in phase A together under moderate agitation until homogenous. No heating necessary.
2. Homogenize (6000rpm) phase A for 3-5 minutes.
3. Add phase B into phase A and stir carefully. Homogenize(6000rpm) the mixture (A+B) for 2-3 minutes.

### Suppliers:

- 1) CIT SARL/COSMO CHEM SARL

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