



WFE® SPF Baby Blue

WFE® SPF Baby Blue gives water resistance and glow with smooth and long lasting application and is ideal for kids. 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 to replace Cyclomethicone. Creagel® Crystal ID offers water resistance with its film forming properties. Gel type texture of Creagel® Crystals suits well water free applications. Hectone® DF works as thickener with smooth application. Novatext® Mat is a texture enhancer and gives matte, non-greasy skin feel to the product. Combination of two Creasperse® UV dispersions provides high SPF and UVA protection without any risk of sedimentation. Fiflow® BB76 is excellent product for skin repair, renewal and healing due to its oxygen content and skin renewal properties. Therefore it is an excellent product for sun care formulations. Nylonpoly® Blue helps parents to see that their children are protected under the sun.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
Creanatural® Vegetable Squalane	Squalane	2,00	1)
Dedraflow® 5 JSQI	Hydrogenated Polyisobutene (and) Hydrogenated Polydecene	7,00	1)
Creagel® Crystal ID	Isododecane (and) Ethylene/Propylene Copolymer	20,00	1)
Hectone® DF JSQI	Hydrogenated Polyisobutene (and) Distearidimonium Hectorite (and) Propylene Carbonate	11,00	1)
Novatext® Mat	Hydrogenated Polyisobutene (and) Polymethulsilsesquioxane (and) Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer (and) Ethylene/Propylene Copolymer	11,80	1)
Phase B			
Creasperse® TR22 AF65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	21,00	1)
Creasperse® TR35 AF65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	12,20	1)
Nylonpoly® Blue 1 WL7	Nylon-6 (and) CI 42090	5,00	1)
Phase C			
Fiflow® BB76	Perfluorohexane (and) Perfluorodecalin (and) Pentafluoropropane	10,00	1)

* Preservative systems is tailor made upon customer's request

Procedure:

1. Keep phase A under agitation until homogeneous. No heating necessary.
2. Keep phase B under agitation until homogeneous
3. Add phase B into phase A and homogenize (6000rpm) for 5 minutes. Make sure the temperature of the mixture is below 35°C
4. Add phase C into the mixture (A+B) and homogenize (1000rpm) for 1 minute

Suppliers:

- 1) CIT SARL

Testing:

SPF in vitro: 110,5

UVA Ratio: 0,78

Star Category: *** superior

Critical Wavelength: 380 nm

