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Loose Powder SPF 20

Soft and silky loose powder with good sun protection. Based on the UV-composites Eospoly® and Micapoly® UV, which work as texturizing agent and fillers in addition to sunscreens. They are ideal for powder applications with SPF. Eospolys® are UV composites where rutile type nanofine Titanum Dioxide is encapsulated into a spherical silica structure. Due to the silica structure it brings soft focus effect and silky, dry lubricity. Micapoly® UV crystals are based on platelet shaped mica where rutile type nanofine Titanium Dioxide is sealed on the platelet by a polymer. Creaspheres® DIM brings silicone type skin feel in the formulation. Creanatural® BioCollagen is a light film former and works as binder for powders. It adds a feeling of freshness upon application. Colourmat® TZ colourants have good skin adherence and long lasting application. They contain a biopolymer that absorbs the sebum keeping skin mat for longer time.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
Eospoly® TR 22 SIL 50	Silica (and) Titanium Dioxide (and) Alumina	29,18	1)
Creaspheres® DIM WL 4	Polymethylsilsesquioxane	10,00	1)
Phase B			
Creanatural® BioCollagen	Water (and) Glycerine (and) Butylene Glycol (and) Zea Mays (Corn) Starch (and) Natto Gum (and) * *Preservative system*	20,00	1)
	Hyaluronic Acid	0,05	
	Phenoxyethanol	0,50	
Phase C			
Micapoly® UV Crystal TR 22	Mica (and) Titanium Dioxide (and) Dimethicone (and) Isododecane (and) Ethylene/VA Copolymer	29,17	1)
Colourmat® TZ White R	Titanium Dioxide (and) Mica (and) Sodium C8-16 Isoakylsuccinyl Soy Sulfonate (and) Dimethicone (and) Trimethylsiloxysilicate	7,00	1)
Colourmat® TZ Yellow	CI77492 (and) Mica (and) Sodium C8-16 Isoakylsuccinyl Soy Sulfonate (and) Dimethicone (and) Trimethylsiloxysilicate	3,00	1)
Colourmat® TZ Red	CI77491 (and) Mica (and) Sodium C8-16 Isoakylsuccinyl Soy Sulfonate (and) Dimethicone (and) Trimethylsiloxysilicate	1,00	1)
Colourmat® TZ Black	CI77499 (and) Mica (and) Sodium C8-16 Isoakylsuccinyl Soy Sulfonate (and) Dimethicone (and) Trimethylsiloxysilicate	0,10	1)

*** Preservative systems is tailor made upon customer's request**

Procedure:
1. Mix ingredients in phase A together. No heating necessary.
2. Add phase B into phase A under moderate agitation until homogeneous.
3. Add phase C into the mixture (A+B) and keep agitated until homogeneous.

Suppliers:
1) CIT SARL

Testing:
SPF in Vitro: 40,0 **UVA Ratio: 0,68** **Star Category: ***** **Critical Wavelength: 383nm**