

Sun Milk in Cold Process

Light sun milk with soft and even application. Based on Biomethics® Emulsifier, which has good skin compatibility as it does not disrupt skin's own barrier. Biomethics® CPS is an ideal alternative for cold process emulsions for even the most delicate skin types. Creanatural® LAQ and Creabase® MSO are based on the non-oxidizing Meadowfoam Seed Oil. Rich in antioxidant, Meadowfoam Seed Oil is perfect for sun care application as it is a stable natural oil with skin care benefits. Alphaflow® is an hypoallergenic and photostable emollient. Dedraflow® 5 is also hypoallergenic and photostable emollient but volatile, and therefore it can be used as replacement to cyclomethicone. Hydrasoft® works as humectant which leaves a cushioned and fresh after feel on the skin. Combination of two Creasperse® UV dispersions gives high SPF and UVA protection without risk of sedimentation.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
Biomethics® Emulsifier CPS W/O	Solanum Tuberosum (Potato) Starch (and) Squalane (and) Butyrospermum Parkii (Shea Butter) (and) Helianthus Annuus (Sunflower) Wax (and) Xanthan Gum (and) Hydrogenated Lecithin (and) Tocopherol (and) Phenoxyethanol	4,00	1)
Hectone® DF	Hydrogenated Polyisobutene (and) Distearidimonium Hectorite (and) Propylene Carbonate	8,00	1)
Creanatural® LAQ	Limnanthes Alba (Meadowfoam) Seed Oil (and) Squalane (and) Beta Sitosterol	5,00	1)
Creabase® MSO	Limnanthes Alba (Meadowfoam) Seed Oil (and) Cera Alba (and) Hydrogenated Meadowfoam Seed Oil	6,00	1)
	VP/Hexadecene Copolymer	2,00	
	Glyceryl Linoleate (and) Glyceryl Oleate (and) Glyceryl Linolenate	2,00	
	Tocopherol Acetate	1,00	
Alphaflow® 40	Hydrogenated Polydecene	4,00	1)
Dedraflow® 5	Hydrogenated Polyisobutene	4,00	1)
	Bisabolol	0,50	
Phase B			
	Water	q.s.	
	Glycerin	2,00	
Hydrasoft® Cushion	Glyceryl Polymethacrylate (and) Butylene Glycol (and) Zea Mays (Corn) Starch (and) Chlorphenesin	5,00	1)
	Disodium EDTA	0,05	
	Methylisothiazolinone	0,50	1)
	Hyaluronic Acid	0,05	
Phase C			
Creasperse® TR22 AF65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	13,00	1)
Creasperse® TR35 AF65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	17,00	1)

SPF in vitro : 127,7

UVA Ratio : 0,83

Star Category : ****

Critical Wavelength : 381 nm

Procedure:

1. Mix ingredients in phase A together under moderate agitation until homogenous.
2. Mix ingredients in phase B together under moderate agitation until homogenous.
3. Add phase B into phase A and homogenize (6000rpm) for 3-5 minutes.
4. Add phase C into the mixture (A+B) and stir carefully until homogenous.

Suppliers:

- 1) CIT SARL/COSMO CHEM SARL

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