



greenengredients™
manufactured by SOCRI



CALMING AND HYDRATING CLEANSING MILK

FORMULATION GUIDELINE INCLUDING:

AVOMULS® LOW // COLD PROCESSABLE OW EMULSIFIER FOR LOW VISCOSITY EMULSIONS

SILGREEN® C // PLANT DERIVED VOLATILE SILICONES SUBSTITUTE

PG6 ACTIVE HYDRA FACTOR® // MOIST BOOSTER FOR DRY AND SENSITIVE SKINS



CALMING & HYDRATING CLEANSING MILK



A	Trade/Chemical name	INCI name	%
1	DEMINERALIZED WATER	Aqua	73.00
2	AVICEL PC 611	Microcrystalline cellulose, Cellulose gum	1.20
3	XANTHAN GUM	Xanthan gum	0.35
4	GREENCERINE	Glycerin	2.00
5	1,3 PROPANEDIOL	1,3 Propanediol	2.00
6	AVOMULS® LOW	Polyglyceryl-4 Isostearate, Persea Gratissima (Avocado) Oil, Olea Europaea (Olive) Oil Unsaponifiables	5.00
			Phase A 83.55

B	Trade/Chemical name	INCI name	%
7	CAPRYLIC/CAPRIC TRIGLYCERIDE PALM FREE	Caprylic/capric triglyceride	5.00
8	CEGESOFT PS6	Olus oil	1.00
9	SILGREEN® C	C13-15 alkane, Polyglyceryl-6 oleate	1.00
10	LINSEED OIL	Linum usitatissimum seed oil	1.00
11	GRAPE OIL	Vitis vinifera seed oil	1.25
12	SHEA BUTTER	Butyrospermum parkii butter	1.50
13	TOCOPHEROL	Tocopherol	0.50
			Phase B 11.25

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C	Trade/Chemical name	INCI name	%
14	DEMINEALIZED WATER	Aqua	2.90
15	HMW SODIUM HYALURONATE	Sodium hyaluronate, Aqua	0.10
16	PG6 ACTIVE HYDRA FACTOR®	Glycerin, Aqua, Propanediol, Polyglycerin-6, PCA, Trehalose, Sorbitol, Betaine, Sodium Hyaluronate	1.00
		Phase C	4.00

D	Trade/Chemical name	INCI name	%
17	EUXYL K712	Aqua, Sodium benzoate, Potassium sorbate	1.00
		Phase D	1.00

E	Trade/Chemical name	INCI name	%
18	ESSENTIAL OIL		0.20
		Phase E	0.20

Grand Total 100%

MANUFACTURING PROCEDURE

1. In the main mixer, prepare PHASE A, adding component 1 and bringing the temperature to 75°C
2. Disperse the component 2 with the turbine driven and homogenize for 20 minutes in the presence of high vacuum
3. Add the component 3 with the turbine running and homogenize for 10 minutes in the presence of high vacuum
4. Weigh and disperse in 1 the components from 4 to 6 and mix at high speed
5. Prepare PHASE B in a separate container, dispersing the components in succession by heating up to temperature of 75 ° C under slow mixing.
6. Add PHASE B thus prepared to PHASE A and homogenize for 5 minutes in the presence of medium vacuum.
7. Prepare PHASE C by dispersing 16 in 14 + 15 (ATTENTION: check the complete dispersion before continuing)
8. Cool to room temperature and add the PHASE C previously prepared, mixing in the presence of medium vacuum.
9. Add the components of PHASES D and E and mix for at least 30 minutes

CALMING & HYDRATING
CLEANSING MILK


greengradient™

AVOMULS® LOW

INCI NAME

POLYGLYCERYL-4 ISOSTEARATE, PERSEA GRATISSIMA (AVOCADO) OIL, OLEA EUROPAEA (OLIVE)



AVOMULS® LOW is a liquid non-ionic Oil in Water emulsifying system based on a unique combination of a polyglycerol ester with the isomeric form of vegetable fatty acids and unsaponifiables.

It forms very stable liquid crystals emulsions equipped with exceptional and unique sensorial properties even in cold processes that puts it at the forefront of the new generation of emulsifiers.

AVOMULS® LOW presents a proven anti-inflammatory activity as demonstrated by a highly significant decrease of the IL-8 levels equal to 63%.

The percentage of interlamellar water in this liquid-crystal structure can reach up to 70% resulting in a particularly refreshing and light skin feel.

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SILGREEN® C

INCI NAME

C13-15 ALKANES, POLYGLYCERYL-6 OLEATE



SILGREEN® C is a 100% plant-derived substitute to volatile silicone oils designed to confer the dry and “powdery” touch of Cyclopentasiloxane and Isohexadecane.

It is based on a synergistic combination of vegetable alkanes and a copolymer obtained from Olive Oil.

SILGREEN® C confers dry silicone-like texture to the product, it is ideal to improve the spreadability of white cosmetics and reduce the overall greasiness of the formula.

Moreover, SILGREEN® C acts as an effective dispersant for colouring pigments in colour cosmetics or physical and chemical filters in sun care applications.

CALMING & HYDRATING
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PG6 ACTIVE HYDRA FACTOR®

INCI NAME

GLYCERIN, AQUA, PROPANEDIOL, POLYGLYCERIN-6, PCA, TREHALOSE, SORBITOL, BETAINE, SODIUM HYALURONATE



PG6 active HYDRA FACTOR® is a powerful 100% natural moisturizer and humectant aimed at providing faster and long lasting moisturization (up to 6 days after the last application) in both haircare and skincare products.

It is made of a blend of natural highly hygroscopic compounds that recall water and synergistically work along with complementary actives that keep the moist in place providing a superior and long lasting hydrating action.

WHO WE ARE

Greengredients™, a division of SOCRI S.p.A., researches and develops functional vegetal derivatives and active ingredients for the Beauty Industry.

The **Research & Development** is located in Montefalco (Umbria) – the green heartland of Italy – where at **Greengredients™ Technical Centre**, directed by **Dr. Guido Bregaglio**, innovative products are invented with the aim of achieving excellent sensoriality and performances while minimizing the environmental impact and eliminate the use of harmful substances.

Whether it is about stabilizing difficult formulas, preserving with synthetic-free substances or achieving silicon-like “touch” but in an environmentally sustainable way, our goal is to provide formulators worldwide with plant-derived solutions aimed both at simplifying their job and achieve superior textures, even in extreme conditions of pH and presence of salts.

The “green” attitude that characterizes **Greengredients™** as well as the constant effort to stand out the crowd makes it a good spot for formulators who look for natural alternatives to commonly used synthetic substances.



HEADQUARTER

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