



O/W EMULSIFIER
FOR HOT PROCESS
IN **ONLY** ONE PHASE

BEAUTYDERM HP

EO FREE

B H C
COSMETIC AND FOOD

ECOCERT
APPROVED

SPECIAL EMULSIFIERS

Beautyderm HP

Beautyderm HP is a new generation of emulsifier.

Originates in raw vegetables, OE FREE.

It is able to emulsify oils and/or fats of different polarity and viscosity, even if present in high percentage.

Beautyderm HP is to be included in emulsions with very wide range of viscosity, from milk to low-consistency sludge cream very solid, varying only the composition of the fat phase.

Plays a strong moisturizing action, thanks to the presence of sodium lauroyl glutamate, which thanks to the action of skin enzymes (protease), gives rise to one of the ingredients naturally present in the NMF (Natural Moisturizing Factor) through the skin, Sodium PCA.

In addition, Beautyderm HP, can be used in broad ranges of both temperature and pH and in the presence of electrolytes at different concentrations.

A further high quality of this emulsifier is the ability to form emulsions with very small droplets with a liquid-crystalline structure obtained in this way an extraordinary stability of the emulsion itself.

Operation is simple, it is possible to work in a single step by mixing the principal oil and water, heating in a single container and upsetting in a vacuum. Does not require the use of any rheological additive.

Of natural origin, excellent emulsifying power, ease of use, strong moisturizing properties, biodegradable.

TRADE NAME	INCI NAME	USE LEVEL
Beautyderm HP	Glyceryl stearate; cetearyl alcohol; stearic acid; sodium lauroyl glutamate	2-8

BEAUTYDERM

10 advantages

- No Irritation Potential
- Pleasant Skin Feel
- Eo Free
- Vegetable Origin
- Preservative Free
- White Emulsion
- Skin Moisturizers
- Completely BIODEGRADABLE
- No Odour On Final FORMULA
- Physiological pH



BEAUTYDERM HP

Moisturizer emulsifier

INCI: GLYCERIL STEARATE, CETEARYL ALCOHOL, STEARIC ACID, SODIUM LAUROYL GLUTAMATE

- Beautyderm's key component and primary emulsifier is the palm oil derived: Lauroyl Glutamate
- Acyl Glutamates act as a high quality and exceptionally stable O/W emulsifiers while offering: a unique elegant skin-feel; "built-in" moisturization.

Skin moisturization is obtained by maintaining a balance between an efficient epidermal barrier (composed of specific lipids secreted by the Odland bodies and organized in lamellar parallel bilayer sheets) and intact corneocytes full of the Natural Moisturizing Factor (NMF), including its key component: PCA-pyrrolidone carboxylic acid.

On the skin, enzymes such as proteases will release glutamic acid from cocoyl glutamate; subsequently, a cyclotransferase will lead to the obtaining of PCA (key component of NMF)

Lauroyl Glutamate is an optimum skin moisturizer thanks to its property of enriching the corneous layer in PCA.

BEAUTYDERM HP

Cosmetic characteristic

- FORMULATION is a superior emulsifier: the presence of oils and lipids of different polarities or viscosity, even in high percentage, does not cause stability problems. The emulsion viscosity is adjusted by the quantity of emulsifier.
- Another major property is that it produces **emulsions with very small droplets, with a liquid crystal structure, leading to a superior stability.**
- As a wetting and dispersing agent for powders, is useful in make-up formulations.
- HIGHLY SAFE non irritant (eye and skin) and non sensitizing, Beautyderm HP is also biodegradable.
- HIGHLY STABLE Beautyderm HP may be used in a wide range of temperature, pH, oil polarity and viscosity or electrolyte concentration.
- Beautyderm HP creates **emulsions with an elegant and pleasant light skin feel and bring a unique touch of delicacy and emolliency.**

BEAUTYDERM HP

Applications

- Facial and body creams
- After sun creams
- Body lotions and milks
- Mud masks



FORMULATIONS

Beautyderm HP

ANTIAGE CONTOUR EYES CREAM

METHOD

A. Heat phase 1-9 at 70°C with phase 10 in the same pot.

B. At 70°C mix strongly under vacuum

C. Cool the emulsion and, at 50°C, add 11-15

D. At 35°C add 16-17

	TRADE NAME	INCI NAME	%
1	Beautyderm HP	Glyceryl stearate, cetearyl alcohol, stearic acid, sodium lauroyl glutamate	6
2	Cetyl alcohol	Cetyl alcohol	2
3	Beautyder GMS	Glycerylmonostearate	2
4	Rice oil	Oriza sativa (seed) oil	2
5	Beautyolive silk	Ethylhexyl olivate	8
6	Baobab oil cold pressed	Adansonia digitata seed oil	2
7	Dimethicone	Dimethicone	0,5
8	BHA, triethylcitrate, tocopherol	BHA, triethylcitrate, tocopherol	0,05
9	Tocopherylacetate	Tocopherylacetate	0,5
10	Preserved water	Aqua	to 100
11	Resveratrol	Resveratrol	0,002
12	Vegetable glycerin	Glycerin	5
13	Water	Aqua	5
14	EDTA	EDTA	0,05
15	Glycohyal LW	Glycerin, hydrolyzed glycosaminoglycans, hyaluronic acid	3
16	Scent	Perfume	0,12
17	Panthenol	Panthenol	0,5

CLEANSER MILK

METHOD

A. Heat (1-5) and (10-11) at 70°C in the same pot.

B. Mix under vacuum

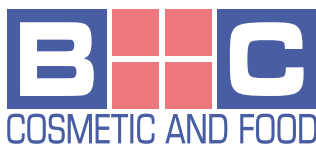
C. Add phase (6-7) and mix for 10 min.

D. Add (8-9).

E. Cool under vacuum at 50°C and add (12-13)

F. Cool at 35°C and add (14-15) and strogly mix.

1	Beautyderm HP	Glyceryl stearate, cetearyl alcohol, stearic acid, sodium lauroyl glutamate	2,2
2	Cetyl alcohol	Cetyl alcohol	2
3	Dimethicone	Dimethicone	0,5
4	Sweet almond oil	Prunus amygdalus (sweet almond) dulcis oil	12
5	Antiox	Triethyl citrate; bha; tocopherol	0,05
6	Xanthan gum	Xanthan gum	0,2
7	Glycerin	Glycerin	4
8	Sodium dehydroacetate	Sodium dehydroacetate	0,15
9	Water	Aqua	1
10	Preserved water	Aqua	to 100
11	EDTA	EDTA	0,05
12	Beautymild GC	Sodium cocoyl glutamate	1,5
13	Baobab leaf glycolic ext	Adansonia digitata extract (leaves and fruit)	0,2
14	Perfume	Perfume	0,25
15	Lactic acid	Lactic acid	to pH 5.5



B.C. COSMETIC AND FOOD SRL

Via Redipuglia, 2 . 21055 Gorla Minore (Va) . Italy

Tel +39 0331 606842 . Fax +39 0331 606173

info@beautyandcosmetic.eu . www.beautyandcosmetic.eu