



## BEAUTYDERM HP EO FREE

O/W EMULSIFIER  
FOR HOT PROCESS  
IN ONLY ONE PHASE



## BEAUTYDERM HP Special Emulsifier

TRADE NAME	INCI NAME	%
Beautyderm HP	Glyceryl Stearate, Cetearyl Alcohol Stearic Acid, Sodium Lauroyl Glutamate	2-8

### APPLICATIONS

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

### PROPERTIES

- 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

Beautyderm HP is a new generation of emulsifier.

Originates in raw vegetables, EO 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.

## MOISTURIZER EMULSIFIER

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 Co-coyl Glutamate; subsequently, a cyclo-transferase 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.

## 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.



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