

EMULGAR BG-7 EMULSIFIER

/ A / B /

OVERVIEW

One of the key components of an emulsion is, without a doubt, the emulsifying system. The stability and the proper spreading on the skin and the fineness depend on it, and similarly, it also has a noteworthy influence on the consistence and penetrability.

With the purpose of limiting laboratory testing and saving on the stock of ingredients, BIOGRÜNDL presents its EMULGAR BG-7 EMULSIFIER, which is of a non-ionic nature, and is stable at normal emulsification temperatures (up to 110°C) and for a wide pH range (between 3 and 9); similarly, in the emulsions based on it, high electrolytic contents can resist.

With EMULGAR BG-7 EMULSIFIER of BIOGRÜNDL, stable thick or semi-fluid emulsifying agents are formed, with excellent textures, shine and spreading properties.

EMULGAR BG-7 EMULSIFIER of BIOGRÜNDL is most adequate for delicate and sensitive skin, as well as for Dermopharmaceutical and Dermatology products.

USE AND DOSAGE

EMULGAR BG-7 EMULSIFIER of BIOGRÜNDL is a self-stimulating system comprised of four synergic components that boost its action. It is protected against oxidation and has an HLB of 11. It is added to the oily part of the emulsions, following the usual preparation process.

The recommended usage doses are based on the lipid part to be emulsified. One part of emulsifying agent for 1 to 2,5 parts of lipids, which is equivalent to between 8 and 14% in weight of the total of an emulsion.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Waxy mass.

Colour: Characteristic (ivory white).

Odour: Characteristic.

Drop point: Between 50 and 55°C.

HLB: 11.

Solubility in water: Fully insoluble.

Solubility in other solvents: Soluble in organic solvents and lipids. Insoluble in surfactants and in hydroalcoholic and hydroglycolic mixtures.

Acid value: Maximum 2.

Iodine value: Maximum 6.



Saponification value: Between 130 to 180.

Other information: None.

Total aerobics: Max. 300 microorganisms / gram.

Fungi and yeasts: Max. 200 microorganisms / gram.

Pathogens: Complete absence in 1g.

DERMATOLOGY INNOCUOUSNESS

Skin irritation was found by the patch method (Patch test), diluting the product in sunflower oil at 15%. There was no irritation at 24, 48 and 72 hours.

On the recommended concentrations, the product is skin innocuous.

STORAGE CONDITIONS

It is very important to keep the product in well closed containers, away from direct sunlight and at temperatures not over 25°C.

INCI DENOMINATION

GLYCERYL STEARATE, C12-20 ACID PEG-8 ESTER, CETYL PHOSPHATE,
PRUNUS AMYGDALUS DULCIS OIL, BHT.