

KEMIPALM

Pearly Delicate Surfactant

Co-surfactant-active product from condensation of palmitic acid with glycine

ORIGIN

Palmitoil glycine is a new surfactant-active agent obtained by condensation of a fatty acid (palmitic acid) and an amino acid.

Because it derives from natural substances, palmytoilglycine has unique characteristics:

- excellent skin tolerability;
- ecologically safe (it is perfectly biodegradable);
- cleans the skin, hair and mucous membranes very delicately.

It is the ideal product to be used together with other surfactant-active agents, the dermal-aggressiveness of which it weakens or annuls, to formulate "soft" detergents such as for baby cosmetics, shampoos, bath and safe personal hygiene products adding an attractive appearance.

Palmitoilglicina, besides its delicate surface-active action, also boasts another important action: added (3-5%) to traditional detergents, it gives them a milky and mother-of-pearl appearance (it is obtained by acidifying (pH <6) the product after adding palmitoilglicina), better for quality and stability than the traditional ETHYL-GLYCOL-STEARATES.

Whereas the latter precipitate at high temperatures and separate if they are not stabilised with high viscosity, palmitoilglicina forms thermo-stabilised mother-of-pearl products even with very low viscosity.

Furthermore it should be remembered that ethylglycol-stearates behave like fats and kills and separates foam, whereas palmitoilglicina is a delicate surfactant-active agent which increases and stabilises the foam itself.

APPLICATIONS

The product can be used in formulating delicate shampoos, creamy mother-of-pearl shampoos, bath foams and cleaning liquids.

HOW TO USE

The product is soluble in the aqueous phase of any preparation and can be mixed with surfactant-active agents.

At pH>6 the product remains limpid.

CHEMICAL NAME: N-palmitoiliglicina sodium salt
INCI NAME (EU): Palmytoil glycine
ORIGIN: Vegetable
CATEGORY: Co-surfactant-active agent

STRUCTURE:



PHYSICO- CHEMICAL CHARACTERISTICS:

APPEARANCE: Viscous fluid liquid
COLOUR: Pearly white
ODOUR: Very slight
PH SOLUTION 10%: 7 - 8
DRY RESIDUE: 23 - 25%
PROTEIN NITROGEN: 0.7 - 0.95%
SODIUM CHLORIDE: 3 - 4.5%
AVERAGE MOLECULAR WEIGHT: 340 D ca.
% OF ACTIVE SUBSTANCE: 20%

VEHICLE: Water

TOTAL MICROBE COUNT (UFC/g): 0 - 10

DOSAGE RECOMMENDED
2-8%



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