

## AMINAT®-CP

### PRESERVATIVE FOR COSMETICS

INCI Name: Phenoxyethanol (and) Caprylyl glycol (and) Glycerin (and) Ethyl Lauroyl Arginate HCl

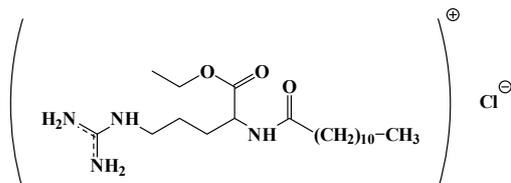
### CHARACTERISTICS

AMINAT®-CP is based on the combination of LAE® (Ethyl Lauroyl Arginate HCl) with Phenoxyethanol, Caprylyl glycol and Glycerin.

AMINAT®-CP is a multifunctional product that can be used by personal care formulators as a preservative in creams, lotions, body milks, hair conditioners, wet wipes, among others. Additionally, it can provide smoothness to skin and hair because of its cationic nature.

LAE® is a unique antimicrobial ingredient with cationic surfactant properties derived from natural occurring substances, L-arginine and lauric acid. LAE® is a molecule developed and synthesized by Lamirsa Group.

Chemical structure of LAE®:



CAS number: 60372 - 77 - 2

### TECHNICAL DATA

#### Physical-chemical properties

Appearance	Transparent, slightly yellow liquid
pH (1% in de-ionized water at 20°C / 68°F)	4.5 ± 1.0
Viscosity at 20°C (68°F) (Brookfield RV, sp 1, 50 rpm)	< 225 mPa·s
Density at 20°C (68°F)	1.06 ± 0.02 g/ml
Solubility	Totally soluble in ethanol, glycerin, water and oil



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## APPLICATIONS

AMINAT®-CP is a suitable preservative blend for all types of personal care products, including formulations with high content of anionic surfactants or with anionic thickeners (carboxymethylcellulose, xanthan gum, bentonite or carbomer).

AMINAT®-CP is easy to incorporate into personal care formulations as it is liquid. It may be added in the emulsion at any stage of the manufacturing process, in the aqueous phase, in the oil phase, during emulsification or after cooling.

AMINAT®-CP is a very effective preservative in concentrations of 0.5-2% in all kinds of formulations.

Type of formulation	Recommended dosage
Sunscreens	0.5-1%
Body milks	0.5-1%
Make-up removing milks and liquids	0.25-1%
Facial products	0.5-1%
Shampoos	0.5-1.5%
Hair conditioners	0.25-0.75%
Wet wipes	0.75-1%

Due to its cationic surfactant properties, LAE® provides additional smoothness to hair and skin and improves the skin natural defence against pathogens, besides an excellent formula preservation.

Maximum doses allowed for different countries are available upon request.

## ADVANTAGES

AMINAT®-CP combines the outstanding activity of LAE® with Phenoxyethanol and Caprylyl glycol. These ingredients reinforce the properties of LAE®, especially in formulations where many anionic ingredients are present.

LAE® combines a high antimicrobial efficacy with low toxicity, non-sensitizing and non-skin irritating features. Additionally, the molecule is rapidly metabolised in the human body by chemical and metabolic pathways, breaking the molecule into natural compounds which are common in the human diet. Therefore, LAE® offers an excellent toxicity profile which is confirmed by its approval as food preservative.

Phenoxyethanol is used in many applications in personal care, it has a well-known activity especially against gram-negative bacteria such as *Pseudomonas spp.* Phenoxyethanol is considered safe as a cosmetic ingredient in the present practices of use and concentration. EU, Brazil and Japan have approved phenoxyethanol at a maximum concentration of 1%, without restrictions for all personal care applications.



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Caprylyl glycol is a cosmetic ingredient with moisturizing characteristics, with bacteriostatic properties and an outstanding toxicity profile.

## PACKAGING

AMINAT®-CP is available in 5 or 25 kg packaging.

## STORAGE AND SHELF LIFE

Store between 4-30°C (39-86°F). Avoid temperatures above 30°C (86°F). Keep containers tightly closed in a dry, cool place, protected from exposure to direct sunlight. Under such conditions, the shelf life of the product is 18 months.

The information contained in this bulletin cannot be taken as a basis of guarantee or liability. VEDEQSA is not responsible for the inappropriate use of this product. Revision date: 29/08/2018



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