



## Elix-KON CPC

INCI Cetylpyridinium chloride  
CAS 6004-24-6

### SPECIFICATIONS

Appearance White powder  
Assay (%) Min. 99.0

### GENERAL INFORMATION

Elix-KON CPC, Cetylpyridinium chloride, is a cationic quaternary compound used as an antimicrobial and cationic surfactant in various cosmetic products.

Elix-KON CPC is a safe, very efficient & eco-friendly alternative to conventional antimicrobials and preservatives with a broad-spectrum efficacy against gram + and gram bacteria, virus, yeasts and molds.

Elix-KON CPC is approved by the US FDA as safe and preferred anti-microbial system for use in oral care and to treat plaque including gingivitis.

Elix-KON CPC, Cetylpyridinium chloride, is a preferred alternative to replace ingredients like Triclosan, triclocarban, Benzethonium chloride, Parabens and Formaldehyde-donors.

### FORMULATION & RECOMMENDATIONS

Elix-KON CPC, Cetylpyridinium chloride, can be used alone or in combination with other preservatives to increase its effectiveness.

#### Recommended use concentration

Max. 0.05 – 2.0% (application restrictions apply)

#### Solubility

Fully soluble in water

### EFFICACY

Elix-KON CPC, Cetylpyridinium chloride, has a broad-spectrum efficacy against gram + and gram bacteria, viruses, yeasts and molds.

### APPLICATIONS

#### Pharmaceuticals

#### Natural extracts

#### Cosmetics

- Skin care • Make up • Hair care • Toiletries
- Sun care • Wet wipes • Oral care
- Antiperspirant / deodorants

### BENEFITS

- Cetylpyridinium chloride is considered as a safe preservative that can replace parabens, formaldehyde donors and others
- Strong antimicrobial and broad-spectrum activity
- Multifunctional activities:
  - Antistatic: Reduces static electricity by neutralizing the electrical charge on a surface
  - Deodorant: Reduces or masks unpleasant body odors.
  - Emulsifying agent: Promotes the formation of intimate mixtures between not miscible liquids by modifying the interfacial tension (water and oil)
  - Hair conditioner: Leaves hair manageable, supple, soft and shiny and or gives volume, lightness and shine.
  - Oral hygiene agent: Provides cosmetic effects to the oral cavity (cleaning, deodorization and protection)
  - Surfactant: Reduces the surface tension of cosmetics and contributes to the uniform distribution of the product during its use

### SHELF LIFE

Under proper storage conditions the shelf life is 24 months