

TECHNICAL DATA SHEET

Elix-KON CPC

INCI Cetylpyridinium Chloride

CAS 6004-24-6



SPECIFICATIONS

Appearance	White powder
Assay (%)	99.0 min.

GENERAL INFORMATION

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

FORMULATION AND RECOMMENDATIONS

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

Recommended use concentration

0.05% – 2.0% max.

(application restrictions apply)

Solubility

Fully soluble in water

EFFICACY

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

BENEFITS

- It 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

APPLICATIONS

Pharmaceuticals**Natural extracts****Cosmetics**

- Skin care
- Makeup
- Hair care
- Toiletries
- Sun care
- Wet wipes
- Oral care
- Antiperspirant / deodorants

SHELF LIFE

24 months under proper storage condition