

TECHNICAL DATA SHEET

Elix-KON PHE

INCI Phenoxyethanol

CAS 122-99-6



SPECIFICATIONS

Appearance	Oily liquid
Assay (%)	99.8 min.
Phenol (ppm)	10 max.
Water (%)	0.1 max.

GENERAL INFORMATION

Elix-KON PHE is a bactericidal agent used in cosmetics as a preservative. Chemically it is an aromatic ether of Ethylene glycol.

It presents itself as a viscous, transparent liquid, soluble in water and oil, stable in the absence of hydrochloric acid and strong oxidants, and with a weak smell of rose.

It has a wide spectrum of action as an antimicrobial and is effective against Gram+ and Gram- bacteria, yeasts and mold.

It acts by binding to the wall of bacteria blocking their vital functions, preventing their reproduction and causing their death. In cosmetics, Elix-KON PHE is used to preserve the formulation from microbial contamination in concentrations between 0.5% and 0.8%.

Elix-KON PHE is a clear, pleasantly smelling liquid that is mainly used as a preservative, but can also be used as fixative agent in perfumes.

EFFICACY

Elix-KON PHE has a wide spectrum of action as an antimicrobial and is effective against GRAM+ and GRAM- bacteria, yeasts and mold.

It acts by binding to the wall of bacteria and blocks their vital functions, preventing their reproduction and causing their death.

BENEFITS

- Easy to use
- High efficacy
- More than 60% biodegradable.

APPLICATIONS

Fragrances
Pharmaceuticals
Natural extracts

Cosmetics

- Skin care
- Sun care
- Toiletries
- Makeup
- Hair care

SHELF LIFE

24 months under proper storage conditions