



## Elix-KON PEHG

INCI Phenoxyethanol, Ethylhexylglycerin  
CAS 122-99-6; 70445-33-9

### SPECIFICATIONS

Appearance	Clear colorless liquid
Odor	Characteristic
Color index (Hazen)	Max. 50
Density (%)	1.0871 – 1.0923
Refractive Index (%)	1.522 – 1.534
Free phenol (ppm)	Max. 10

### GENERAL INFORMATION

Elix-KON PEHG, is a liquid preservative suitable for rinse off and leave on applications with pH up to 12. It is a broad-spectrum preservative compatible with cosmetics ingredients in general.

### FORMULATION & RECOMMENDATIONS

Elix-KON PEHG is stable to hydrolysis, temperature and pH. It's a preservative which can be used in cosmetic emulsion systems such as skin care creams and lotions, in wet wipes, make-up, or in surfactant-based products such as shower gels, facial cleansers, and shampoos.

The efficacy can be reduced with ethoxylated surfactants.

#### Recommended use concentration

0.50 % - 1.00 %

#### Solubility

Soluble in organic solvents. Limited solubility in water and non-polar solvents.

### BENEFITS

- Broad spectrum efficacy
- Good compatibility with cosmetics ingredients
- Effective in pH up to 12
- Easy to use liquid ingredient
- Good temperature and pH stability

### EFFICACY

Elix-KON PEHG, is effective against bacteria, yeasts and molds. When it is applied in contaminated formulations/raw materials, the loss of efficacy must be considered.

Good manufacturing practices are mandatory to guarantee the efficacy of the preservative system.

### APPLICATIONS

#### Fragrances, Pharmaceuticals, Plant extracts

#### Cosmetics

- Skin care
- Wet wipes
- Sensitive
- Liquid soaps
- Make up
- Natural products
- Toiletries
- Hair care

### SHELF LIFE

Under proper storage conditions the shelf life is 36 months