

TECHNICAL DATA SHEET

Elix-KON PO

INCI Piroctone Olamine

CAS 68890-66-4



SPECIFICATIONS

Appearance	White crystalized powder
Assay (%)	99 min.

GENERAL INFORMATION

Piroctone olamine is the ethanolamine salt of the hydroxamic acid derivative piroctone.

Elix-KON PO exerts potent antibacterial, anti-inflammatory and antimicrobial activity.

It is used in the treatment of seborrheic dermatitis and peeling. It fights against the proliferation of Pityrosporum Ovale (Malassezia furfur), which is the main cause of dandruff production.

Elix-KON PO is ideal for those with oily hair, as it regulates the production of sebum in the scalp. It plays an important role in eliminating bad odors and also has an anti-oxidant action and contrasts free radicals, the main cause of aging

FORMULATION AND RECOMMENDATIONS

Recommended use concentration

0.1-1.0 %

Rinse-off Anti-dandruff/Anti-acne/Pet care

0.05 – 0.5 %

Leave-on Anti-dandruff/Anti-acne/Pet care

Deodorant spray

0.2 – 0.5 %

EFFICACY

The MIC of PO against 11 microorganisms stabilizes between 6.25 and 25mg/l - (theoretical minimum dosage 0.0025 %).

Wide-spectrum of anti-bacteria and anti-fungi properties

Microorganism	MIC(mg/L)
Gram-negative bacteria	
Escherichia coli	12.5
Gram-positive bacteria	
Staphylococcus aureus	6.25
Staphylococcus epidermidis	6.25
Propionibacterium acnes	6.25
Fungi	
Trichophyton rubrum	6.25
T. Mentagrophytes	12.5
Microsporum canis	12.5
Epidermophyton floccosum	6.25
Yeast	
Candida albicans	25
Candida tropicalis	25
Malassezia furfur	12.5

BENEFITS

- Formaldehyde-free, Paraben-free, broad spectrum anti-microbial
- Excellent anti-dandruff activity by soothing inflamed scalp and reducing flaking
- Effectively eliminates unpleasant odor, both for humans and pets
- Additional thickening properties
- Decreases the sebum output at the skin surface, suitable for anti-acne application
- Increase the mean hair shaft thickness, suitable for volume-up formula Clinically approved effective, safe to use, non-irritating
- More formulation flexibility & solubility, also suitable for clear type
- Low dosage
- No skin/eye irritation

APPLICATIONS

- Anti-dandruff
- Anti-acne
- Pet care
- Deodorant Spray
- Preservative

SHELF LIFE

36 months under proper storage conditions