

# PHENOXYETHANOL

Preservatives For Focused Protection



## INCI

Phenoxyethanol

## CAS number

122-99-6

## Appearance

Transparent liquid

## Solubility

Soluble in glycols and alcohols,  
moderately soluble in water

A well-known preservative for personal care products, Phenoxyethanol is found in a wide range of skin care, hair care, and bath products. Being both low-irritating and low-sensitizing, it can be used in products that necessitate mildness, such as baby products.

Phenoxyethanol is incorporated into a variety of different formulation types due to its solubility characteristics. Preservatives with low water solubility can be dissolved in Phenoxyethanol prior to their incorporation into a formulation, making it an important component in various blends of preservatives. Another advantage of Phenoxyethanol when used as part of a blend is its boosting effect on the antimicrobial properties of the other preservatives.

When using Phenoxyethanol alone, the recommended concentration is up to 1%, but in combination with other antimicrobials, use levels can be reduced. Very stable over wide pH and temperature ranges, Phenoxyethanol performs well against both Gram negative and Gram positive Bacteria. It is also compatible with all surfactant types, anionic, cationic, nonionic and amphoteric, in addition to most antimicrobials and active ingredients.

## MINIMUM INHIBITION CONCENTRATIONS (MIC) FOR PHENOXYETHANOL

Microorganism	Type	MIC (ppm)
Escherichia coli	Bacteria Gram -	3200
Pseudomonas aeruginosa	Bacteria Gram -	3200
Staphylococcus aureus	Bacteria Gram +	6400
Aspergillus niger	Mold	3200
Candida albicans	Yeast	3200