

## TECHNICAL DATA SHEET

<b>Trade Name:</b>	<b>Presatil Phenox</b>		
<b>INCI:</b>	Phenoxyethanol		
<b>Cas. No:</b>	122-99-6		
<b>EINECS:</b>	204-589-7	<b>Article No:</b>	331012

ITEM	STANDARD
Appearance	Colorless to light yellow liquid
Purity	99.8% Min.
Odor	Faint characteristic odor
Density (25°C)	1.100-1.110 g/ml
Color	5 APHA Max.
Water content	0.10% Max
Flash point	121°C – closed cup
Phenol	5 ppm Max.
Heavy metals	10.0 ppm Max.

MICROBIOLOGICAL ASSAY		
Microorganism	Type	Result
Pseudomonas aeruginosa	Bacteria Gram -	1200 ppm
Escherichia coli	Bacteria Gram -	1200 ppm
Staphylococcus aureus	Bacteria gram +	3500 ppm
Candida albicans	Yeast	2600 ppm
Aspergillus niger	Mold	2600 ppm

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### Product Description:

**Phenoxyethanol** is widely used in various types of formulations due to its favourable solubility characteristics. Preservatives with low water solubility can be pre-dissolved in phenoxyethanol before being added to a formulation, making it a valuable carrier in many preservative systems.

Another key advantage of phenoxyethanol, especially when used in combination with other preservatives, is its ability to enhance their antimicrobial effectiveness. When used on its own, phenoxyethanol is typically applied at concentrations of up to 1%. However, in combination with other antimicrobial agents, lower concentrations are often sufficient.

Phenoxyethanol is highly stable across a broad range of pH levels and temperatures. It is effective against both Gram-negative and Gram-positive bacteria and shows excellent compatibility with all types of surfactants—including anionic, cationic, non-ionic, and amphoteric—as well as with most antimicrobial agents and active ingredients.

### Application:

It is used widely in skin care, hair care, and bath products.

### Storage:

Please keep in cool, dry, and well-ventilated place, keep container closed when not in use.

### Dosage:

1.0%

### Shelf time:

2 years from manufacturing date