

SHAROMIX 300

Broad Spectrum Preservative Blends



INCI

Methylparaben, Propylparaben,
Bronopol, Phenoxyethanol

Appearance

Transparent liquid

Solubility

Soluble in water,
miscible in propylene glycol,
ethanol and acetone

The combination of Parabens and Bronopol in Phenoxyethanol creates a potent preservation system with superior coverage of all microbial spectra. This blend is an excellent preservative for wet wipe applications and for all leave-on and rinse-off products.

Sharomix 300 retains its activity in the presence of proteins and is compatible with a variety of surfactants. As with any formulation containing Bronopol, the formation of nitrosamines should be avoided.

Sharomix 300 will remain effective in pH 4.5 to 8.5. Exposure to elevated temperatures should be avoided. If the product is used for the preservation of an emulsion, then it should be added after the cooling stage. Sharomix 300 is soluble in water up to 0.5%. It is recommended to pre-dissolve it in propylene glycol when used in water-based products.

Typical use concentrations are in the range of 0.3% to 0.7%.

MINIMUM INHIBITION CONCENTRATIONS (MIC) FOR SHAROMIX 300

Microorganism	Type	MIC (ppm %)
Burkholderia cepacia	Bacteria Gram -	1500
Pseudomonas aeruginosa	Bacteria Gram -	1000
Bacillus cereus	Bacteria Gram +	1250
Staphylococcus aureus	Bacteria Gram +	1500
Aspergillus niger	Mold	1750
Candida albicans	Yeast	2000