

SHAROMIX DMP & DMP II

Broad Spectrum Preservative Blends



INCI

Diazolidinyl Urea, Methylparaben, Propylparaben, Propylene Glycol

Appearance

Transparent, viscous liquid

Solubility

Soluble at recommended usage concentrations within aqueous solutions and emulsions (o/w, w/o)

Halogen free

Sharomix DMP & DMP II are broad-spectrum liquid solutions that protect against Gram negative and Gram positive Bacteria, yeasts and molds. By combining Diazolidinyl urea with Parabens, Sharomix DMP gains a multi-purpose antimicrobial functionality, making it an ideal preservation system for shampoos, hair conditioners and emulsion products.

Stable and effective over a wide pH range, Sharomix DMP's easy-to-handle liquid form reduces the inconvenience associated with the handling of powders. Compatible with most cosmetic formulations, Sharomix DMP is soluble up to 1% in aqueous solutions.

For best results, we recommend that Sharomix DMP be added to formulations at temperatures below 50°C. This means that when used in an emulsion, it should be incorporated after the cooling stage. Furthermore, if the oily phase content is high, we recommend using Sharomix DMP II.

MINIMUM INHIBITION CONCENTRATIONS (MIC) FOR SHAROMIX DMP & DMP II

Microorganism	Type	MIC (ppm)
Burkholderia cepacia	Bacteria Gram -	1500
Escherichia coli	Bacteria Gram -	1250
Pseudomonas aeruginosa	Bacteria Gram -	1875
Bacillus cereus	Bacteria Gram +	1250
Staphylococcus epidermidis	Bacteria Gram +	1500
Aspergillus niger	Mold	3500
Candida albicans	Yeast	3500