SHAROMIX DMP & DMP II
SHAROMIX DME

Broad Spectrum Preservative Blends

Sharomix DMP & DMP II INCI

Diazolidinyl Urea, Methylparaben, Propylparaben, Propylene Glycol

Appearance

Transparent to slightly yellow liquid

Sharomix DME INCI

Diazolidinyl Urea, Methylparaben, Ethylparaben, Propylene Glycol

Appearance

Transparent to slightly yellow liquid

Halogen free

Sharomix DMP and Sharomix DME are both liquid preservative blends that protect cosmetic formulations from both Gram positive bacteria, Gram negative bacteria, yeast and mold.

The anti fungal activity of Sharomix DMP is based on the classic synergistic combination of Methylparaben and Propylparaben. Sharomix DME contains a combination of Methylparaben and Ethylparaben that meets the recent demand for preservation systems based on short chain parabens.

Diazolidinyl Urea is the third active component of this blend, which is added to complete protection against bacteria.

Using Propylene glycol, a well accepted humectant as a solubilizer for the 3 active components of the blend, reduces the inconvenience associated with the handling of powders during the production process.

Sharomix DMP and Sharomix DME are stable and effective over a wide pH range and are compatible with nonionic, cationic, and anionic cosmetic formulations.

Sharomix DMP II is a variant of Sharomix DMP which is recommended for emulsions of high oil content. The ratio Propylparaben/Metyhlparaben is higher in this blend than it is in Sharomix DMP.

Sharomix DMP and Sharomix DME are stable at temperatures as high as 70˚c.

The recommended use concentrations are in the range of 0.3% - 1%.

MINIMUM INHIBITION CONCENTRATIONS (MIC) OF SHAROMIX DMP AND SHAROMIX DME :

Microorganism	Type	MIC (ppm) Sharomix DMP	MIC (ppm) Sharomix DME
E. coli	Bacteria Gram -	938	875
B. cepacia	Bacteria Gram -	750	750
P. aeruginosa	Bacteria Gram -	875	875
B. cereus	Bacteria Gram +	938	1000
S. aureus	Bacteria Gram +	750	750
S. epidermidis	Bacteria Gram +	938	1000
A.niger	Mold	2250	2500
C. albicans	Yeast	3000	3000

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