Iscaguard MEP

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
	✓	✓		

INCI declaration
phenoxyethanol, methylparaben, propylparaben, ethylparaben

Iscaguard MEP is a blend of paraben esters in phenoxyethanol. With high efficacy, excellent compatibility, a broad spectrum of activity, and a wide pH use range, Iscaguard MEP is an effective and reliable preservative choice for most cosmetic and personal care products.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.3 – 0.8 %	1.35 %
Rinse-off	0.3 – 0.8 %	1.35 %

Not to be used in leave-on products designed for application on the nappy area of children under 3 years of age.

Leave-on products designed for children under 3 years of age must be labelled “Do not use on the nappy area”.

In use concentrations vary according to the formulation type and the other ingredients present. The correct use dosage should be determined by microbial challenge testing of the finished formulation (ISCA UK offers discounted challenge testing to our customers).

Recommended Applications

Shampoo, Shower gel (Rinse-off)	Creams, lotions (Leave-on)	Hair care	Deodorants	Wet wipes	Eye care	Lip care	Oral care	Children under 3
●	●	●	●	●	●	●		

Use scenarios derived from evaluation of Cosmetic Regulation guidelines and preservative performance for typical formulations.

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Registered No: 3500179

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Formulation guidelines	
pH (effective range)	3.0 – 8.0
Solubility (Water)	< 0.3 %
Solubility (Glycols)	Miscible
Maximum Process Temperature	80 °C
General information	Iscaguard MEP is compatible with most personal care ingredients. When used alone, parabens may be inactivated by some non-ionic emulsifiers. The presence of phenoxyethanol in Iscaguard MEP reduces, or overcomes this problem. In formulations with a high protein content, it may be necessary to use a higher concentration of Iscaguard MEP.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.1
Escherichia coli	0.2
Bacteria (gram-positive)	
Staphylococcus aureus	0.2

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.1
Moulds	
Aspergillus brasiliensis	0.1

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