Iscaguard P

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
	✓	✓		

INCI declaration
propylparaben

Iscaguard P is a dry powder form of high purity propylparaben. With its efficient, broad spectrum antimicrobial efficacy, and low toxicity profile, propylparaben has multiple uses within the personal care industry.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.05 – 0.14 %	0.14 % (as acid) #
Rinse-off	0.05 – 0.14 %	0.14 % (as acid) #

Maximum 0.8% (as acid) total paraben content when used together as a mixture, where the sum of the individual concentrations of butyl- and propylparaben and their salts does not exceed 0.14 %.

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

For leave-on products designed for children under three years of age: 'Do not use on the nappy area'

In use concentrations vary according to the formulation type and other ingredients present. The correct use dosage should be determined by microbial challenge testing of the finished formulation.

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.

Registered office: Nine Mile Point Industrial Estate, Cross Keys, Newport NP11 7HZ
Registered No: 3500179

Iscaguard P

Formulation guidelines	
pH (effective range)	4 - 8
Solubility (water)	~0.025 %
Solubility (propylene glycol)	26 %
Maximum Process Temperature	80 °C
General information	Must not exceed 0.8 % total paraben content (Methyl, Ethyl, Propyl, Butyl) in finished products, with a maximum combined total 0.14 % of Propylparaben and Butylparaben, according to the European Cosmetic Products Regulation.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Salmonella typhosh	0.1
Salmonella shottmuelleri	0.05
Escherichia coli	0.01
Klebsiella pneumoniac	0.025
Pseudomonas aeruginosa	0.8
Proteus vulgaris	0.05
Bacteria (gram-positive)	
Staphylococcus aureus	0.05
Bacillus cereus	0.125
Bacillus subtilis	0.025
Sarcina lutea	0.05

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.012
Trichophyton rubrum	0.004
Trichophyton mentagrophytes	0.004
Saccharomyces pastoriamus	0.024
Moulds	
Aspergillus brasiliensis	0.02
Aspergillus oryzae	0.02
Penicillium digitatum	0.006
Rhizopus nigricans	0.0125
Trichoderma lignoram	0.0125

Disclaimer: The information contained in this document is intended to be of assistance to users. We believe the information set forth above to be true and accurate, but such information is provided without any warranty, and shall establish no legal duty or responsibility on the part of Isca UK Limited.

Registered office: Nine Mile Point Industrial Estate, Cross Keys, Newport NP11 7HZ
Registered No: 3500179