

# Iscaguard CPC

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
Yes	Yes	Yes	No	No

INCI declaration
Cetylpyridinium chloride

Iscaguard CPC is a multi-functional ingredient for use in cosmetic preparations. Iscaguard CPC is a highly effective preservative, offering a broad spectrum of activity against bacteria and fungi. Additionally, it can be used as an anti-bacterial agent in oral care products and deodorants.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Mouthwashes	0.02 – 0.05 %	0.1 %
Skin lotions/creams	0.1 %	0.2 %
All other oral hygiene and cosmetics	0.1 - 0.3 %	0.5 %
Anti-perspirant deodorants	0.5 - 1.5 %	2.0 %

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 (ISCA UK offers discounted challenge testing to our customers).

## Recommended Applications

Shampoo, Shower gel (Rinse-off)	Creams, lotions (Leave-on)	O/W emulsions	W/O emulsions	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.

Formulation guidelines	
pH (effective range)	4.0 - 9.0
Solubility (Water)	Soluble
Solubility (Glycols)	Partially soluble
Maximum Process Temperature	80 °C
General information	Where possible, process temperatures should be kept below 40 °C prior to addition.

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

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

Physical Properties (approximate)	
Appearance	Solid
Colour	White
Odour	Low
Density	n/a

Physical Properties (approximate)	
pH as supplied	6 - 8
Solubility in water	Soluble
Solubility in glycols	Partially soluble

Safety information

Cosmetic Regulation labelling requirements
No special labelling requirements.

Transport information
UN number
UN proper shipping name
Transport hazard class
Packing group
Environmental hazards

Hazard classification/labelling
Hazard pictograms
Signal word
Hazard statements



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The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without warranty or guarantee as the conditions of use are beyond our control. We strongly recommend that all products containing Iscaguard are rigorously tested to ensure suitability for end-use.

