Iscaguard CPP

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
✔	✔	✔	✗	✗

INCI declaration
Phenoxyethanol, chlorphenesin

Phenoxyethanol is a versatile, broad spectrum preservative widely used for personal care formulations. The addition of chlorphenesin increases its effectiveness against yeasts and moulds.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.6 – 1.0 %	1.05 %
Rinse-off	0.6 – 1.0 %	1.05 %

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)	3 – 9
Solubility (Water)	~2.0 %
Solubility (Glycols)	Soluble
Maximum Process Temperature	80 °C
General information	Iscaguard CPP is compatible with most personal care ingredients. In aqueous formulations, heating to 40°C may be required in order to fully dissolve the preservative. Prolonged processing at temperatures above 80°C should be avoided.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.40
Escherichia coli	0.40
Bacteria (gram-positive)	
Staphylococcus aureus	0.50

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.30
Moulds	
Aspergillus niger	0.15

Physical Properties (approximate)	
Appearance	Clear colurless iquid
Colour	< 50 Hazen
Odour	Low odour
Density	1.115 gcm^{-3}

Physical Properties (approximate)	
Flash point	> 110°C
Solubility in water	~2.0 %
Solubility in glycols	Soluble

Safety information

Cosmetic Regulation labelling requirements
No special labelling requirements.

Transport information	
	not regulated
UN number	-
UN proper shipping name	-
Transport hazard class	-
Packing group	-
Environmental hazards	-

Hazard classification/labelling	
Hazard pictograms	
Signal word	Warning
Hazard statements	H302 Harmful if swallowed. H319 Causes serious eye irritation.

ISCA
Preserving the tradition

Chemical Business Association

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