

Iscaguard BIB

Paraben Free	Thiazolinone Free	Formaldehyde Free	Preservative Free	Natural
✓	✓	✓		

INCI declaration
benzyl alcohol, 2-bromo-2-nitropropane-1,3-diol, iodopropynyl butylcarbamate

Iscaguard BIB is a liquid blend of Bronopol and IPBC in benzyl alcohol. The presence of benzyl alcohol increases the headspace protection for many cosmetic products during storage. Iscaguard BIB is a highly potent, cost effective preservative, with particularly good anti-fungal properties.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.05 - 0.2 %	0.2 % #
Rinse-off	0.05 - 0.2 %	0.4 % #

Not to be used in oral and lip products.

Rinse-off products: Not to be used in products for children under 3 years of age, except in bath products / shower gels and shampoos..

Leave-on products: Not to be used in body lotion and body cream. Not to be used in products for children under 3 years of age.

Deodorants/antiperspirants: maximum permitted dosage - 0.15 %. Not to be used in products for children under 3 years of age..

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

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Formulation guidelines	
pH (effective range)	4.5 – 8.5
Solubility (Water)	< 0.5 %
Solubility (Glycols)	Soluble
Maximum Process Temperature	40 °C
General information	Iscaguard BIB can be processed at temperatures up to 40 °C, but only for brief periods (over heating the product can cause discolouration). Care should be taken to avoid the formation of nitrosamines. Not to be used in products for children under 3, except bath products / shower gels/ shampoos. Not to be used in body lotion and body cream. Not to be used in lip and oral care products.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.005
Bacteria (gram-positive)	
Staphylococcus aureus	0.021

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.001
Moulds	
Aspergillus brasiliensis	0.021

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 Ltd.