

Iscaguard IPT

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

INCI declaration
Phenoxyethanol, Iodopropynyl butylcarbamate

Iscaguard IPT is a liquid preservative blend based on Iodopropynyl butylcarbamate and Phenoxyethanol. It is a versatile, effective preservative for personal care formulations that is highly efficient against yeasts, mould and fungi as well as bacteria. Iscaguard IPT has the added benefit of headspace protection from the inclusion of Phenoxyethanol.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.2 – 0.5 %	0.5 % #
Rinse-off	0.6 – 1.0 %	1.0 % #

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 - 0.375 %. Not to be used in products for children under 3 years of age.

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 – 8.0
Solubility (Water)	~2.4 %
Solubility (Propylene glycol)	Miscible
Maximum Process Temperature	40 °C
General information	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	0.45
Escherichia coli	0.35
Proteus vulgaris	0.40
Bacteria (gram-positive)	
Staphylococcus aureus	0.40
Bacillus cereus	0.40
Enterococcus faecium	0.50

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.05
Saccharomyces cerevisiae	0.01
Moulds	
Aspergillus niger	0.005


Physical Properties (approximate)	
Appearance	Liquid
Colour	Clear to pale yellow
Odour	Low odour

Physical Properties (approximate)	
Initial boiling point	- °C
Solubility in water	~2.4 %
Solubility in glycols	Miscible

Safety information

Cosmetic Regulation labelling requirements
Not to be used for children under three years of age.

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

Hazard classification/labelling	
Hazard pictograms	
Signal word	Xn - Harmful
Hazard statements	R22 Harmful if swallowed. R36 Irritating to eyes.



ISCA UK Ltd Nine Mile Point Industrial Estate, Cross Keys, Newport NP11 7HZ, Wales, UK

Tel: +44(0)1495 200747 Fax: +44(0)1495 200757 E-mail: enquiries@iscauk.com www.iscauk.com

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.

