

Iscaguard TC

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

INCI declaration	
Triclosan	

Iscaguard TC is a highly efficient broad spectrum antimicrobial based on the active Triclosan. It shows activity against gram-negative and gram-positive bacteria as well as yeasts and moulds. Triclosan is widely used in the personal care and allied applications.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.1 – 0.3 %	0.3 %
Rinse-off	0.1 – 0.3 %	0.3 %

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 – 9.5
Solubility (Water)	<0.01 % (approx.)
Solubility (Glycols)	Soluble
Maximum Process Temperature	80 °C
General information	-

Minimum Inhibitory Concentrations	
Microorganism	MIC (ppm)
Bacteria (gram-negative)	
Salmonella enteritidis	0.1
Escherichia coli	0.1
Enterobacter cloacae	0.3
Bacteria (gram-positive)	
Staphylococcus aureus	0.01
Bacillus cerus	3.0
Enterococcus faecium	0.02

Minimum Inhibitory Concentrations	
Microorganism	MIC (ppm)
Fungi	
Candida albicans	3
Trichophyton rubrum	3
Moulds	
Aspergillus fumigatus	10


Physical Properties (approximate)	
Appearance	Crystalline solid
Odour	Low
Melting point	56 - 58 °C

Physical Properties (approximate)	
Solubility in water	<0.01 %
Solubility in glycols	Soluble

Safety information

Cosmetic Regulation labelling requirements
No special labelling requirements.

Transport information	
	IMDG
UN number	UN 3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. 5-Chloro-2-(2,4-dichlorophenoxy) phenol
Transport hazard class	9
Packing group	III
Environmental hazards	Yes

Hazard classification/labelling	
Hazard pictograms	
Signal word	Warning
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects.