

Iscaguard CIB

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

INCI declaration	
Aqua, triethylene glycol, benzyl alcohol, propylene glycol, methylchloroisothiazolinone and methylisothiazolinone*	

*Main components listed. For full INCI names please contact us.

Iscaguard CIB is a blend of methyl and methylchloro-isothiazolinone in water, glycols and benzyl alcohol. The incorporation of 60 % organic compounds improves the compatibility with oil rich products, and increases the preservative efficacy by reducing the interfacial tension at the cell membrane of micro-organisms. The thiazolinone compounds are present at 0.7 % in a ratio of 3:1, which offers broad spectrum activity in even the most difficult to preserve cosmetics.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	Not permitted	Not permitted
Rinse-off	0.05 – 0.2 %	0.21 %

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)	3.0 – 8.0
Solubility (Water)	Soluble
Solubility (Glycols)	Soluble
Maximum Process Temperature	40 °C
General information	Iscaguard CIB is not permitted to be used in addition with other Methylisothiazolinone containing preservatives.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.20
Escherichia coli	0.20

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-positive)	
Staphylococcus aureus	0.20
Bacillus sp	0.20
Micrococcus sp	0.20


Physical Properties (approximate)	
Appearance	Clear to light yellow liquid
Odour	Mild, characteristic
Density	1.12 gcm ⁻³

Physical Properties (approximate)	
pH (as supplied)	2.0 - 5.0
Solubility in water	Soluble
Solubility in glycols	Soluble

Safety information

Cosmetic Regulation labelling requirements
No special labelling requirements.

Transport information	
	IMDG
UN number	UN 1760
UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Contains 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1))
Transport hazard class	Class 8
Packing group	II
Environmental hazards	No

Hazard classification/labelling	
Hazard pictograms	
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long-lasting effects



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.

