

Iscaguard DPM

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

INCI declaration
Propylene glycol, Diazolidinyl urea, Methylparaben, Propylparaben

Iscaguard DPM is a blend of methyl and propylparaben in propylene glycol, with the added benefit of diazolidinyl urea. The incorporation of diazolidinyl urea increases the headspace protection of many cosmetic products during storage, while further boosting the broad spectrum antimicrobial activity of the paraben blend.

In Use Concentrations	ISCA recommendation	EU Cosmetic Regulation (max)
Leave-on	0.3 – 0.7 %	1.66 %
Rinse-off	0.3 – 0.7 %	1.66 %

Not to be used in leave-on products designed for application on the nappy area of children under 3 years of age. Leave-on products designed for children under 3 years of age must be labelled “Do not use on the nappy area”.

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 – 7.0
Solubility (Water)	~1 %
Solubility (Glycols)	Soluble
Maximum Process Temperature	60 °C
General information	Iscaguard DPM can be processed at temperatures up to 60 °C, but only for brief periods. It is recommended, where possible, that the temperature is kept below 40 °C.

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Bacteria (gram-negative)	
Pseudomonas aeruginosa	0.30
Escherichia coli	0.25
Proteus vulgaris	0.25
Bacteria (gram-positive)	
Staphylococcus aureus	0.25
Bacillus cerus	0.30
Enterococcus faecium	0.25

Minimum Inhibitory Concentrations	
Microorganism	MIC (%)
Yeasts	
Candida albicans	0.45
Saccharomyces cerevisiae	0.20
Moulds	
Aspergillus niger	0.40

Physical Properties (approximate)	
Appearance	Clear to light yellow viscous liquid
Odour	Characteristic
Density	-

Physical Properties (approximate)	
pH (as supplied)	n/a
Solubility in water	~1 %
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	Irritant
Hazard statements	Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.



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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.

