

Iscaguard IPT

| Paraben Free | Thiazolinone Free | Formaldehyde Free | Preservative Free | Natural |
|--------------|-------------------|-------------------|-------------------|---------|
| ✓ | ✓ | ✓ | | |

| INCI declaration |
|---|
| phenoxyethanol, iodopropynyl butylcarbamate |

Iscaguard IPT is a liquid preservative blend of iodopropynyl butylcarbamate and phenoxyethanol. It is a versatile, effective preservative for personal care formulations with high efficacy against yeasts and moulds, as well as bacteria.

| In Use Concentrations | ISCA recommendation | EU Cosmetic Regulation (max) |
|-----------------------|---------------------|------------------------------|
| Leave-on | 0.3- 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..

Recommended Applications

| Shampoo, Shower gel (Rinse-off) | Creams, lotions (Leave-on) | Hair Care | Deodorants | 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.

Iscaguard IPT

| Formulation guidelines | |
|-----------------------------|--|
| pH (effective range) | 4.0 – 8.0 |
| Solubility (Water) | < 0.5 % |
| Solubility (Glycols) | Miscible |
| Maximum Process Temperature | 40 °C |
| General information | Iscaguard IPT can be processed at temperatures up to 40 °C, but only for brief periods (over heating the product can cause discolouration). 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 |

| Minimum Inhibitory Concentrations | |
|-----------------------------------|---------|
| Microorganism | MIC (%) |
| Bacteria (gram-negative) | |
| Pseudomonas aeruginosa | 0.2 |
| Escherichia coli | 0.2 |
| Bacteria (gram-positive) | |
| Staphylococcus aureus | 0.1 |

| Minimum Inhibitory Concentrations | |
|-----------------------------------|---------|
| Microorganism | MIC (%) |
| Yeasts | |
| Candida albicans | 0.1 |
| Moulds | |
| Aspergillus brasiliensis | 0.1 |

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