

Kem Plus 2

INCI name: *Phenoxyethanol,
Iodopropynyl Butylcarbamate*

Appearance: Clear colourless to pale yellow liquid

Description

Kem Plus 2 is a Formaldehyde-free and Parabens-free liquid preservative system with a broad spectrum of antimicrobial activity, useful for the protection of a wide range of personal care products.

Antimicrobial activity

Kem Plus 2 is a preservative system highly effective against Gram-negative bacteria, Gram-positive bacteria, yeasts and molds.

Properties and stability

Kem Plus 2 is very soluble in alcohols and glycols, soluble in water and polar oils. It is stable and active in the pH range 4.5-8.5. Should be protected from direct sunlight.

Applications

Kem Plus 2 is a system suitable for the preservation of a wide range of cosmetic products from aqueous formulations (solutions, tonics, gels, surfactant-based) to oil-based formulations (emulsions, oils, lipogels) and wet wipes. Typical applications include:

- *Hair care:* shampoos, lotions, conditioners, gels, mousses.
- *Body and face care:* tonics, gels, lotions, creams, oils, wipes.
- *Make-up:* foundations, wipes.
- *Bath products:* shower gels, bubble baths, handcleaners, intimate, wipes.
- *Raw materials:* surfactants, vegetal extracts.

Use levels

The suggested use levels of Kem Plus 2 are 0.4-0.9%, in this range no further antimicrobials are usually required for the adequate product preservation.

Regulatory approval

USA: allowed in rinse-off and leave-on products not to be aerosolized.

EU: allowed in bath products, shower gels and shampoos without restrictions; in other rinse-off products can't be used for children under 3 years (label required). Allowed in leave-on products not for use on large part of body and not for children under 3 years (label required). Not to be used for oral-care and lip-care.

Japan: allowed in rinse-off and leave-on products not to be aerosolized.

Technical support

The microbiological laboratory support customers during the preservative selection in any application and helps to solve preservation issue. The optimal level of preservative to be used is suggested on the basis of specific preservative efficacy testing (Challenge test).

For further information, documentation and sample please contact us.