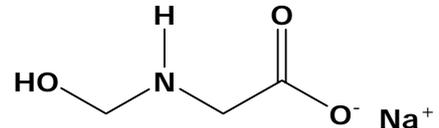


Kem 30

INCI name: Sodium Hydroxymethylglycinate
CAS n°: 70161-44-3



Appearance: Clear colourless to pale yellow liquid

Description

Kem 30 is a 50% water solution of Sodium Hydroxymethylglycinate. It is a wide spectrum preservative stable to strong alkaline pH, which can be used alone in many cosmetic applications.

Antimicrobial activity

Kem 30 is highly effective against Gram-negative bacteria, Gram-positive bacteria and molds, with limited activity against yeasts.

Properties and stability

Kem 30 is very soluble in water and polar solvents, not soluble in oils and apolar solvents. It is stable and active in the pH range 3.5-12. Tolerates working temperature upto 50°C.

Applications

Kem 30 can be easily incorporated in a wide range of cosmetic formulations. Due to the high water solubility it is particularly suggested for aqueous formulations and emulsions. Useful in the neutralization of carbomer gels. Typical applications include:

- *Hair care:* shampoos, lotions, conditioners, gels, mousses.
- *Bath products:* shower gels, bubble baths, handcleaners, intimates, wipes.
- *Body and face care:* tonics, gels, lotions, creams, wipes.
- *Make up:* foundations, eyeliners, mascaras, powders, wipes.
- *Sun products:* sunscreens, suntans, aftersuns.
- *Baby care:* bath products, gels, lotions, creams, powders, wipes.
- *Raw materials:* surfactants, vegetal extracts.

Use levels

Kem 30 is typically used at 0.2-0.5%; may be used alone in many formulations or in combination with antifungals in more complex systems.

Regulatory approval

USA and EU: allowed upto 1.0%.

Japan: not allowed.

Technical support

Akema microbiological laboratory supports customers in product preservation and helps to solve microbial issue in any application. 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.