

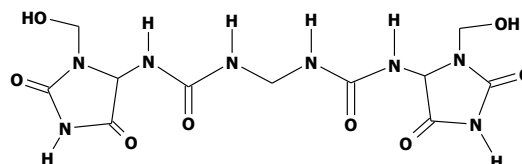


Preservative A15

INCI name: Imidazolidinyl Urea

USP/NF name: Imidurea NF

CAS n°: 39236-46-9



Appearance: Fine white powder

Description

Imidazolidinyl Urea is one of the widest used cosmetic preservatives also listed in USP/NF with the name of Imidurea for use in topical pharmaceutical products.

Preservative A15 is a powerful cosmetic preservative with high efficacy against bacteria. It is easy to work and causes no changes of the appearance of cosmetics, all at reduced use levels and low costs.

Antimicrobial activity

Preservative A15 is highly effective against Gram-negative & Gram-positive bacteria. It is slightly active at the use levels against yeasts & moulds.

Properties & stability

Preservative A15 is very soluble in water and polar solvents, not soluble in oils and non polar solvents. Stable and active in the pH range 3-9. Prolonged working temperature over 50°C should be avoided. Compatible with cosmetic raw materials, including anionic, non-ionic and cationic ingredients. It does not modify the colour, odour & viscosity of finished cosmetics.

Applications

Preservative A15 is widely used in a broad range of cosmetic products. Due to its high water solubility it is easily incorporated in aqueous formulations & emulsions. The many cosmetic applications include:

- *Hair care:* shampoos, lotions, conditioners, gels, mousses.
- *Body & face care:* toners, lotions, creams, masks, wipes.
- *Make up:* foundations, eyeliners, mascaras, powders, wipes.
- *Sun products:* sunscreens, suntans, aftersuns.
- *Bath products:* shower gels, bubble baths, handcleaners, intimate, wipes.
- *Baby care:* shampoos, bath products, gels, lotions, creams, powders, wipes.
- *Raw materials:* surfactants.
- *Topical pharmaceutical preparations.*

Use levels

Preservative A15 is normally used at 0.2-0.4% in combination with antifungals. It is synergistic with many other preservatives like parabens, sorbic acid, dehydroacetic acid and chelating agents (EDTA).



Regulatory approval

Widely used cosmetic preservatives for decades, tested and approved by FDA & EU scientific committees. It is approved for cosmetics in *EU, USA, Latin America, China & ASEAN* up to 0.6% without restrictions. It is permitted in *Japan* up to 0.3% in rinse-off products with label.

Technical support

Our microbiological laboratory can support customers in the preservative choice; the optimal preservation is suggested on the basis of challenge tests conducted on specific cosmetics. For further information, documentation and samples please contact us.

Highlights

- ✓ High preservation activity against bacteria.
- ✓ Long history of safe cosmetic use.
- ✓ Largely used in wide range of cosmetics.
- ✓ Meets the requirements of USP.
- ✓ Easy to use.
- ✓ Not pH sensitive and effective in pH range 3-9.
- ✓ Highly soluble in water.
- ✓ Does not change odour, colour & viscosity of finished cosmetics.
- ✓ Globally approved in rinse-off.
- ✓ Low use levels & reduced final costs.