

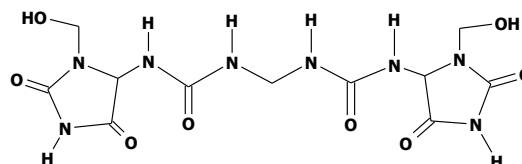


## Preservative A15

**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**

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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**

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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**

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- ✓ 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.