

# Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

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## TECHNICAL DATA SHEETS

1. Product name:

Imidazolidinyl urea

2. Chemical Name:

Imidurea;

N,N-methylenebis N'-1-(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl urea;

1,1'-Methylenebis[3-[3-(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl]urea];

Methanebis(N,N'-(5-ureido-2,4-diketotetrahydroimidazole)-N,N-dimethylol)

3. CAS No.:39236-46-9

4. MF:C11H16N8O8

5. MW:388.29

6. Technical specifications

Item	Specifications	Results
Appearance	White powder	Conforms
Nitrogen content	26~28%	27.3%
Loss on drying	≤3.0%	1.6%
Ignition residue	≤3.0%	1.4%
PH	6.0~7.5	7
Conclusion	The results conforms with enterprise standards	

7. Usage

Imidazolidinyl urea is a preservative in cosmetics, has a broad-spectrum antibacterial activity, can inhibit Gram-negative, positive bacteria, has a certain inhibitory effect on yeasts and molds, mainly used to inhibit the proliferation of microorganisms, and can exist in cosmetics. The various components are compatible, and the test results show that the antibacterial ability is not affected by surfactants, proteins and other special additives in cosmetics. Imidazolidinyl urea can be used in creams, milks, creams, shampoos, lotions, conditioners, etc. Imidazolidinyl urea is especially suitable for some high-grade nutritional cosmetics which are easy to be dyed with *B. cerevisiae* when the pH is alkaline. Imidazolidinyl urea can be used alone or in combination with

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parabens, IPBC, etc. to enhance its antiseptic effect.

8. Package

25kg/drum