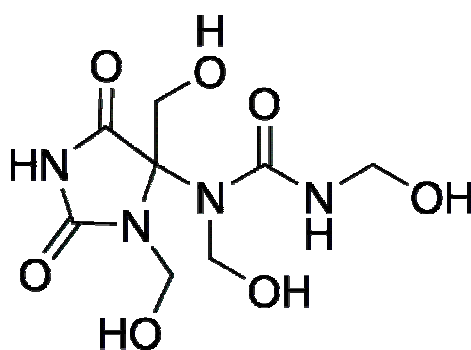


UNIDIACIDE U-26

PRESERVATIVE FOR COSMETICS

Chemical name	N-[1,3-Bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-N, N'-bis(hydroxymethyl) urea
Synonym	Diazolidinyl Urea
Empirical formula	C ₈ H ₁₄ N ₄ O ₇
Structural formula	



Appearance	Fine practically odourless white powder.
Analytical data	See specification.
Solubility	Very readily soluble in water and aqueous alcohol Slightly soluble in pure alcohol Insoluble in lipoids
Properties	<p>Diazolidinyl Urea (Unidiacide U-26) is an antimicrobial preservative used in cosmetics. It is chemically related to Imidazolidinyl Urea which is used in the same way (Unicide U-13).</p> <p>Diazolidinyl urea acts as a formaldehyde releaser.</p> <p>Unidiacide U-26 has an exceptionally broad antimicrobial spectrum of action. Compared with the common Imidazolidinyl Urea, it shows in particular an enhanced activity against yeast and moulds.</p> <p>Like Unicide U-13, Unidiacide U-26 also shows a synergistic effect in combination with parabens. For the preservation of cosmetic products, it is recommended to use Unidiacide U-26 in combination with Uniphen P-23.</p> <p>Unidiacide U-26 shows a good skin tolerance and has no toxicological hazards.</p>
Use	As a preservative for cosmetic products, preferably in combination with Parabens (e.g. Uniphen P-23).

UNIDIACIDE U-26

Dosage	0.1 - 0.5% Maximum allowed concentration in a finished product within the EU is 0.5%.
Storage	5°C - 25°C (see safety data sheet)
Shelf life	2 years (see specification)

Identification

INCI Monograph ID	INCI Name	Chinese Name	CAS No.
3516	Diazolidinyl Urea	双(羟甲基)咪唑烷基脲	78491-02-8

References Berke, P.A. *et al. Cosmet. & Toil.* **97** (6), 49-53 (1982).

EU Annex VI, Part 1

PRESERVATIVE WHICH COSMETIC PRODUCTS MAY CONTAIN.

Updated through the Commission Directive 2007/22/EC of April 17, 2007
Review and edits of EU Annex VI were completed on February 4, 2009.

INCI Name: Diazolidinyl Urea Status: allowed
EU Reference #: 46
EU Name: N-(Hydroxymethyl)-N-(dihydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-
N'-(hydroxymethyl)urea
Maximum Authorized Concentration: 0.5%
Limitations and Requirements: None

Conditions Of Use And Warnings Which Must Be Printed On The Label:

All finished products containing formaldehyde or substances in ANNEX VI which release formaldehyde must be labeled with the warning "**contains formaldehyde**" where the concentration of free formaldehyde in the finished product exceeds 0.05%.

Our indications and recommendations have been worked out to the best of our knowledge and conscience, but without any obligation from our part. In particular, we do not take any responsibility concerning protection rights of a third party.