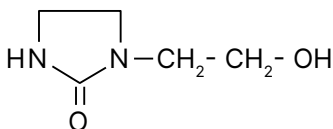


UreAxel HE

Product Data Sheet

UreAxel HE also known as N-(2-Hydroxyethyl)ethylene urea is a specialized cyclic urea derivative primarily used as a high-performance humectant in cosmetics, a crosslinker in textile finishing, and a monomer in resin modification for coatings and adhesives. It enhances moisture retention in skin care, improves adhesion in industrial applications, and provides anti-wrinkle properties in textiles.

Product Details

Product Name	UreAxel HE [N-(2-Hydroxyethyl) ethylene urea75%]
CAS No	3699-54-5
Molecular Formula	C ₅ H ₁₀ N ₂ O ₂
Synonyms	1-(2-Hydroxyethyl)-2-imidazolidinone, N-(2-hydroxyethyl)-2-imidazolidone
Structure	
Shelf Life	1 Year

Specifications

Parameter	Limit
Appearance	Clear Colorless to Pale yellow color liquid
% Purity by HPLC	NLT 98.00 %
Specific Gravity at 25 Deg. C	1.19 ± 0.3
% Water Content	25 ± 2.0

Applications

- UreAxel HE is mainly used for the production of special (meth)acrylic monomers, for example ureido methacrylate (UMA).
- Adhesives & Sealants
- Agricultural Chemicals
- Construction Chemicals
- Corrosion Inhibitors
- Industrial Chemicals
- Personal Care & Cosmetics
- Textile Auxiliaries
- Water Treatment & Pool Chemicals
- Plasticizers
- Formaldehyde scavengers

Packaging

- UreAxel HE is available in various packaging options tailored to customer needs, including:
 1. 500 Grams Bottles
 2. 25 KG Drums
 3. 200 KG Barrels
 4. 1000 KG IBC
- Custom packing is also offered upon request.

Storage and Handling

The product should be stored in a cool, dry place indoors to maintain its stability. It is not classified as a dangerous chemical under standard transport regulations, falling under non-hazardous goods classification. However, proper handling and labeling are recommended during transportation to ensure safety and compliance.

Disclaimer

This information is correct to the best of our knowledge. However, the recommendations are without engagement on our part as they depend on conditions of usage, which vary from plant to plant.