



Product Data Sheet

Product Name: UreAxel 301 (ARIIX EU 301)

CAS No.: 120-93-4

Molecular Formula: C₃H₆N₂O

Synonyms: 2-Imidazolidinone, Ethylene urea, Imidazolidone, N,N'-Ethyleneurea, 2-Imidazolidone, 2-Oxoimidazolidine

Specifications:

Particulars	Specification
APPEARANCE	CLEAR LIQUID
SOLID % (1 hr @105°)	30% - 31%
COLOR (APHA)	<150
DENSITY g/cm ³	1.065 – 1.075
pH (Neat)	5.0 – 7.0

Uses:

- Used for the production of dimethylol ethylene urea thermosetting resins in textiles and paper.
- Used as a scavenging agent to reduce the free formaldehyde in phenolic, melamine, glyoxal and urea formaldehyde resin systems for the coatings, construction and textile industries.
- Used in various kinds of formaldehyde removing reagent e.g. For resinous product, high effect formaldehyde removing detergent, long-term formaldehyde dissolution intermediate, formaldehyde removing for leather, rubber, textile coating, and photocatalyst.
- Used in textile anti – crease finish, anti-tearing finish.
- In the flavor and fragrance industry the product is used as release control agent.
- As a raw material it can be used in pesticide.
- In biological industry, it can be used for producing growth regulator for plants, disinfectant, inhibitors, herbicide etc.
- The pharma industry is using the product as intermediate for antibiotics such as Mezlocillin and Azlocillin.
- Used as intermediate of medicine for snail fever and basic material for 3G penicillin.

Packing:

- 200 kg HDPE drum
- 1000 kg IBC
- Custom on request

ARIIX PRODUCTS INDIA PVT LTD

Plot No.3302, Road No. 33, Panoli GIDC, Ankleshwar – 394116, Gujarat, INDIA

Contact: +91 95950 22296 | **Email:** info@ariix-india.com | **Website:** www.ariix-india.com



**Storage & Handling:**

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling Ethylene Urea. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

ARIIX EU 301 solution has a shelf life of at least twelve months from the date of delivery; if stored in original unopened containers at temperatures not exceeding 30°.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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