NP-03

Dual urease and nitrification inhibitor for urea and UAN

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Product and application

NP-03 combines urease and nitrification inhibition for source-listed urea and liquid UAN (urea-ammonium nitrate) fertilizer systems. This combined function differs from the single-function NP-01 and NP-02 grades. Confirm compatibility with the fertilizer composition and incorporation process.

Technical data

Property	Source value	Stated conditions / method
Appearance	Dark blue liquid	25 deg C
Active content	34-37 wt%	Component identity and analytical method not stated
Water	At most 3%	Method not stated

Dosage and incorporation

The source gives 0.4-1.2% relative to amide nitrogen and separately 4-10 kg per tonne of urea. These expressions are not established as equivalent recommendations. Before use, obtain a written calculation identifying supplied product or active material as the numerator, the nitrogen analysis and the denominator. Do not transfer a urea-based kg/t value to UAN without a formulation-specific calculation.

Formulation evaluation

Record urea or UAN specification, nitrogen species, actual masses, supplied-product content and process conditions. Evaluate incorporation and storage compatibility. Assess urease and nitrification functions separately using defined endpoints and methods: for example, ammonia loss and ammonium/nitrate change. Specify matrix, moisture, temperature, duration, untreated controls and replication. No measured performance or crop-yield result is supplied in this sheet.

Packaging and storage

Source-listed packaging: 200 kg and 50 kg plastic drums, or IBC. Source-stated shelf life: 365 days. Store at 5-35 deg C in a cool, dry area away from ignition sources. Confirm packaging and shelf-life conditions for the supplied commercial batch.

Document scope and supporting information

Published by XYZTING from the existing Chinese technical information for this model. The source document does not state its revision date. Source values retain their stated conditions; missing test methods and dose-basis definitions require written confirmation. This TDS is not an SDS, batch certificate or guarantee of results in every formulation. Request a separate SDS and formulation-specific technical advice.

Product and technical contact: https://www.xyzting.com/products/dual-nitrogen-inhibitor-np-03/

Documentation: https://www.xyzting.com/downloads/