

SABIC STABILIZED UREA

DESCRIPTION

SABIC Stabilized Urea with urease inhibitor incorporated is a new innovative product from SABIC to protect the customer's nitrogen investment. SABIC Stabilized Urea has two urease inhibitors that together are more effective on the range of soil urease enzymes than a single inhibitor to prevent volatilization and Urea lost up to 90%. Greater urea protection leads to improved nitrogen availability during critical crop-growth stages for more consistent yields.

TYPICAL APPLICATIONS

SABIC Stabilized Urea is suitable for all types of applications and conditions. Due to the protection of Urea from volatilization, the product is ideal for broadcast application as a top dressing. The product is not recommended for blending with Phosphate fertilizer products.

TYPICAL PROPERTY VALUES

Revision 20220702

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES			
Nitrogen			
Total Nitrogen	46.0	Wt. %	AOAC 2.4.05. (978-02)
Biuret	1.0 Max	%	
Moisture	0.5 Max	Wt. %	
Particle Size (2-4mm)	>90.0	Wt. %	
Crushing strength	2.0 Min	kg	

BENEFITS

The combination of two active ingredients (NBPT + NPPT) in SABIC Stabilized Urea brings higher Nitrogen Use Efficiency (NUE) than urea with NBPT as a stand-alone active ingredient. Observed +5% yield increase on average over Urea in European field trials. The yield effect varies according to region, crop, and soil type and weather conditions. When untreated urea is surface-applied, on average soils in average conditions up to 30% of the urea-based nitrogen can be lost due to volatilization.

PACKAGING

Available as bulk or bagged in 50 kg or 900 kg bags

HAZARDS AND SAFETY

Urea is non-combustible; but Urea dust can be ignited at temperature above 900°C. : Decomposes at melting point. Use extinguishing media needed to control surrounding area. Primary Routes of Exposure : Eye contact, skin, inhalation & ingestion Acute Effects : Irritation at contact area Chronic Signs & Symptoms : Prolong exposure to dust could irritate the lungs Exposure Limits : 10 mg/m³ (fine dust)

STORAGE AND HANDLING

Store in a dry, cool and well-ventilated area.

Protect the product from the weather effects, especially direct sunlight and rain.

Store in clean environment, free of dust/dirt.

Protect the fertilizer from moisture, which can cause lumps and dust, influencing spreading capabilities.

Equipped with pallet racking to avoid the need for double stacking.

Do not blend or store in contact with ammonium nitrate.



DISCLAIMER

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