Urea Prills

Uncoated SCR Grade Urea

CAS No.: 57-13-6
Chemical Formula: CH_4N_2O

PRODUCT DESCRIPTION

Urea Prills is a high-purity, uncoated urea supplied in prilled form for industrial applications. It provides a high-purity source of nitrogen with controlled moisture, biuret and trace impurity levels. The product features a consistent particle size and is suitable for a range of industrial and environmental applications.

KEY FEATURES

- High-purity uncoated urea prills
- Nitrogen content ≥ 46%
- Low moisture and biuret content
- Controlled metallic and ionic impurities
- Consistent 0.85–2.8 mm particle size

APPLICATIONS

- Selective Catalytic Reduction (SCR) systems
- Environmental emissions control
- Resins and adhesives
- Animal feed applications
- Cloud seeding applications

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

Parameter	Specification
Nitrogen	≥ 46%
Moisture (H_2O)	≤ 0.5%
Alkalinity as NH_3	≤ 0.02%
Biuret	≤ 0.85%
Aldehyde as HCHO	≤ 10 mg/kg
Free Ammonia	≤ 0.02%
Insoluble Matter	≤ 15 mg/kg
Calcium (Ca)	≤ 0.5 mg/kg
Iron (Fe)	≤ 0.5 mg/kg
Aluminium (Al)	≤ 0.5 mg/kg
Copper (Cu)	≤ 0.2 mg/kg
Zinc (Zn)	≤ 0.2 mg/kg
Chromium (Cr)	≤ 0.2 mg/kg
Nickel (Ni)	≤ 0.2 mg/kg
Magnesium (Mg)	≤ 0.5 mg/kg
Sodium (Na)	≤ 0.5 mg/kg
Potassium (K)	≤ 0.5 mg/kg
Phosphate as PO_4	≤ 0.5 mg/kg
pH (10% Water Solution)	9.0–10.0
Particle Size (0.85–2.8 mm)	≥ 90%

PACKAGING
Available in 25 kg bags and 1,000 kg bulk bags.

STORAGE & HANDLING
Store in a cool, dry and well-ventilated area. Protect from direct sunlight, rain, moisture, dust and contamination. Moisture exposure may cause lumping and affect product handling. Avoid double stacking where possible. Do not blend or store in contact with ammonium nitrate.

SHELF LIFE
2 years under recommended storage conditions.

SAFETY
Refer to the current Safety Data Sheet (SDS) for additional information on safe handling, storage and use.