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Polestar Worldwide General Trading LLC

Technical Grade/Industrial Grade Urea (TGU)

Industrial-grade urea is a nitrogen-rich compound used in various industrial applications, including agriculture, manufacturing, and the automotive industry. It is produced by combining ammonia and carbon dioxide and is not suitable for human consumption. This compound serves as a raw material for plastics, resins, adhesives, and plywood production, and it also acts as a reducing agent for nitrogen oxide emissions in diesel engines. Due to its potentially hazardous properties, proper handling precautions are necessary. Below are the technical properties of technical-grade urea exported by Polestar Worldwide General Trading LLC.

Parameters	Specifications
Mass fraction of nitrogen (N) on a dry basis, min	46.2%
Mass fraction of free ammonia (NH_3), max	0.05%
Mass fraction of biuret, max	0.9%
Mass concentration:	
Formaldehyde, max	100 ppm
Phosphates, max	1.5 mg/kg
Calcium, max	1.5 mg/kg
Iron, max	1.5 mg/kg
Copper, max	0.6 mg/kg
Zinc, max	0.6 mg/kg
Chrome, max	0.6 mg/kg
Nickel, max	0.6 mg/kg
Magnesium, max	0.5 mg/kg
Sodium, max	0.5 mg/kg
Aluminium, max	0.5 mg/kg
Potassium, max	0.5 mg/kg
Moisture Content (%) Max	0.3 %
Appearance	White, Prilled & free flowing.
Granulometry	
0.85–2.84 mm, min	96.8%

Packaging

50 kg bags, 1-ton jumbo bags, Jumbo bags on Pallets, Break Bulk, or Loose Bulk.

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Storage & Handling

1) Prevent moisture absorption, keep away from heat, and ensure good ventilation.
2) Avoid contact with acids and alkaline substances and protect yourself from dust.
3) Ensure bags are sealed and in good condition.

Tags

Prilled UREA, Prilled Urea technical grade, TGU, Industrial grade urea

COMMENTS

Typical chemical and physical properties do not constitute product specifications and are not guaranteed or warranted. These properties are provided for informational purposes only.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

The Safety Data Sheet ("SDS") for this product contains essential environmental, health, and safety information regarding this product, including information concerning the handling and storage of this product. The most current version of the SDS for this product can be obtained by contacting a representative of Polestar Worldwide General Trading LLC.

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