



BUOYANCY®
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BUOYANCY GENERAL TRADING LLC

Technical Grade Urea (TGU)

Industrial-grade urea is a nitrogen-rich compound widely utilized in various industrial applications, including agriculture, manufacturing, and the automotive industry. This compound is produced by combining ammonia and carbon dioxide. Unlike the urea used for personal care and medical purposes, industrial-grade urea is unsuitable for human consumption. It is primarily used as a raw material for producing plastics, resins, adhesives, and in the plywood industry. Additionally, it is used as a reducing agent for nitrogen oxide emissions in diesel engines. It should be noted that due to its potentially hazardous properties, industrial-grade urea should be handled with appropriate precautions to ensure safety in the workplace. The following are the technical properties of technical grade urea exported by Buoyancy®.

| | |
|---|-------------------------------|
| 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 |
| Aluminum, 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 or 1 Ton Jumbo bags

Storage & Handling

- 1) Prevent moisture absorption, keep away from heat and well-ventilated.
- 2) Do not contact with acids and alkaline substances, protect from dust.
- 3) Ensure bags are sealed and in good condition.



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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.

This product's Safety Data Sheet ("SDS") contains essential environmental, health, and safety information concerning its handling and storage. This product's most current version of the SDS can be obtained by contacting a Buoyancy General Trading LLC representative.

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