

# Technical Data Sheet

Urea Technical Grade Prilled · CAS 57-13-6 ·  $\text{CO}(\text{NH}_2)_2$

## TECHNICAL DATA SHEET (DRAFT) - Urea Technical Grade Prilled

Product Code: MNRC-URE-TG

Manufacturer: Moonarc FZCO - Partner Plant

Revision Date: October 2023

### Product Description

A high-purity, white prilled solid urea, processed for industrial applications requiring low levels of biuret and heavy metals.

### Physical/Chemical Properties

- Nitrogen Content: "e 46.0% (by weight)
- Biuret Content: "d 1.0% (max)
- Moisture ( $\text{H}_2\text{O}$ ): "d 0.5% (max)
- Free Ammonia: "d 100 ppm
- Melting Point: 132.7 °C
- Solubility in Water: 1080 g/L @ 20 °C

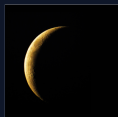
### Quality Standards

Complies with ISO 22241 standards for DEF production (when processed correctly) and exceeds standard industrial manufacturing requirements.

### Storage & Handling

Store in a shaded, dry area. Avoid cross-contamination.

Disclaimer: This TDS is for informational purposes. Users must conduct their own tests to determine suitability for specific applications.



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# Contact The Moonarc Group

We supply industrial chemicals to manufacturers across the globe. Reach out for quotations, technical clarifications, custom packaging or regulatory documentation.

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