

Urea Grades

Urea is classified into different grades based on its intended use, chemical composition, and physical properties. Below is a table outlining the common grades of urea:

Grade	Purity (%)	Granule Size	Application	Key Characteristics
Agricultural Grade	46.0	1-4 mm	Fertilizer for crops and soil enrichment	High nitrogen content, prilled or granular
Industrial Grade	46.0	Fine Powder	Used in adhesives, resins, and plastics	High purity, low biuret content
Technical Grade	46.0	Fine Powder	Used in pharmaceuticals, cosmetics, and lab applications	Very low impurities, high solubility
Feed Grade	46.0	Powder	Animal feed additive for protein enrichment	Meets feed safety standards, controlled biuret level
Automotive Grade (DEF/AdBlue)	32.5	Liquid	Diesel exhaust fluid (DEF) for NOx reduction	High purity, aqueous solution, no contaminants
Coated Urea (Slow-Release)	46.0	Granular	Slow-release fertilizer for controlled nutrient supply	Polymer/sulfur-coated for slow decomposition