UREA SOLUTION

PRODUCT INFORMATION
Urea solution can be custom manufactured to meet the requirements of any customer. Typically sold as 32%, 40% or 50% urea in water solution.

FEATURES & BENEFITS
• Chemically stable, urea solution has low reactivity with the surrounding environment, which makes for easy storage and use.
• With urea solution, no risk management plan is required; employee safety training becomes minimal.
• Urea solution is not highway hazmat regulated.
• Safe to load and unload; no inhalation dangers.
• Manufactured with filtered water or a reverse osmosis water filtration system to ensure high-quality and accurate analysis.
• Urea liquor can be made using conditioned, unconditioned, granular, or prilled urea. Available as formaldehyde-free product.
• Our urea solution manufacturing process involves an extensive filtration process to ensure product of the highest quality.
• The Andersons manufactures urea solution at multiple facilities.

PACKAGING
Available in bulk railcars, bulk truckloads, totes, and drums.

ALSO AVAILABLE
Dry urea (granular, prilled, ag, industrial, commercial)

INDUSTRIES
• Adhesive/Seal Manufacturing
• Cleaning Compounds Manufacturing
• Energy Industry
• Ethanol Manufacturing
• Paint Manufacturing
• Paper/Pulp
• Power Industry
• Renewable Fuels
• Textile Goods Manufacturing

APPLICATIONS
• Detergents/Cleaners/Soaps
• Laboratory Use
• Laminates
• NoX Removal
• Oil and Gas Production
• pH Adjustment
• Water Treatment

To the best of our knowledge, the information contained herein is accurate. However, neither The Andersons Inc. nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All chemicals may present unknown health hazards and should be used with caution. Any potential health hazards associated with this product of which The Andersons Inc. may be aware are described in the The Andersons Inc. Material Safety Data Sheet (MSDS) for this product; however, users of any chemical should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.

FOR MORE INFORMATION CONTACT TONY PIFER
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**UREA SOLUTION**

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**TECHNICAL DATA**

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**UREA SOLUTION 32.5%**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .......................................................... 15.37%

**PHYSICAL PROPERTIES**

pH ..................................................................................... 8.37
Specific Gravity ................................................................. 1.10 (68°F)
Density .............................................................................. 9.08 lbs/gal
Freezing Point ................................................................. 12°F
Appearance ....................................................................... Clear solution

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**UREA SOLUTION 40%**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .......................................................... 18.5%

**PHYSICAL PROPERTIES**

pH ..................................................................................... 7.20 - 9.20
Specific Gravity ................................................................. 1.112
Density .............................................................................. 9.26 lbs/gal
Freezing Point ................................................................. 28°F
Appearance ....................................................................... Clear

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**UREA SOLUTION 50%**

**GUARANTEED ANALYSIS**

Total Nitrogen (N) .......................................................... 23.05%

**PHYSICAL PROPERTIES**

pH ..................................................................................... 7.50 - 9.50
Specific Gravity ................................................................. 1.135 - 1.15
Density .............................................................................. 9.52 lbs/gal
Freezing Point ................................................................. 61°F
Appearance ....................................................................... Clear to slightly turbid

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