

UREA SOLUTION

Technical
Information



40% - Guaranteed Analysis 18-0-0

Product Description

The UREA SOLUTION is created by dissolution of the pure amide directly into clean condensate water. The lowest salt-out temperature for 40% UREA SOLUTION is 32°F.

Application Recommendations

- UREA SOLUTION is a slow release fertilizer which must be decomposed by microorganisms before it can be assimilated by plants.
- Consult your local fertilizer dealer or Dyno Nobel representation for additional application recommendations or information.

Transportation, Storage and Handling

- The transport of UREA SOLUTION does not require a DOT placard.
- UREA SOLUTION will decompose into ammonia, carbon dioxide at 275 °F.
- **ALWAYS** thoroughly wash vessels containing UREA SOLUTION before attempting repairs requiring welding.

Hazardous Shipping Description

- There are no DOT restrictions, other than weight, to transport UREA SOLUTIONS.
- Consult MSDS #1135 for more specific and comprehensive information about chemical hazards.

Properties

MSDS
#1135

UREA % by weight	39.5 to 40.5
Water % by weight maximum	59.5 to 60.5
Biuret % by weight maximum	0.3
Free Ammonia % by weight maximum	0.1
Carbonate (as CO ₂) % by weight	0.1
pH	8.0 – 10.0
Salt-out Temperature (open vessel)	~32°F
Storage Temperature	40 to 80°F
Weight @ 68°F	9.28 lbs/gallon
Calcium maximum	0.5 ppm
Chromium maximum	0.5 ppm
Copper maximum	0.5 ppm
Iron maximum	0.5 ppm
Magnesium maximum	0.5 ppm
Nickel maximum	0.5 ppm
Phosphorus maximum	0.5 ppm
Potassium maximum	0.5 ppm
Silica maximum	1.0 ppm
Sodium maximum	0.5 ppm
Zinc maximum	0.5 ppm

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NSH-16-05-05-11

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