

PRODUCT SPECIFICATIONS

Urea 32.5% - High Purity



DESCRIPTION

High Purity Urea Solutions is produced with the highest grade of urea and deionized water to meet the stringent requirements in industrial applications as an intermediate for various uses, including pharmaceuticals, explosives, resins, nutrient for effluent wastewater treatment, and agricultural. High Purity Urea is also widely used as the safest non-hazardous reagent for reducing NO_x in SCR (Selective Catalytic Reduction) and SNCR (Selective Non-Catalytic Reduction) systems.

CHEMICAL PROPERTIES

Urea (wt%)	31.8 – 33.2%
Density at 68°F (20°C)	9.07 – 9.12 lbs/gal
Specific Gravity at 68°F (20°C)	1.087 – 1.093
Refractive Index at 68°F (20°C)	1.3814 – 1.3843
Salt -out (Freezing) Temperature	12°F (-11°C)
Recommended Storage Temperature	40 - 80°F (4.5 – 26.6°C)

SAFETY

Hill Brothers High Purity Urea is classified as a non-hazardous chemical. Safety glasses, gloves and general work clothing are recommended. Where ventilation is insufficient, wear respiratory protection. Wearing of appropriate protective clothing and gloves is suggested if epidermal sensitivity develops. Wear chemically resistant protective gloves.

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The information on this Product Profile is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. For latest product specifications, contact our nearest sales office.

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