

DECACHEM DOO, Novi Sad, Serbia

Address: Lozionicka 14/9, 21000 Novi Sad, Serbia ;
PIB: 113353206 Matični broj: 21851396

[Http://www.decachem.com](http://www.decachem.com)

Phones: +381 63 658 074 / +381 64 27 54 268

Email: office@decachem.com

TDS – DEF / ad BLUE Urea

TECHNICAL DATA SHEET

UREA

Prill 46-0-0

Properties		SDS #1132			
Total Nitrogen Analysis % minimum (guaranteed)	46.0				
Water % by weight	0.2				
Biuret % by weight	0.4 - 0.85				
pH % by weight	8.5 - 9.5				
Bulk Density lbs/cubic foot	46				
Fertilizer Nutrient Designation	46-0-0				
Typical Size Distribution*					
Tyler Mesh Analysis	-6+8	-8+10	-10+12	-12+14	-14
Average % Retained	6	55	37	1	1
Cumulative %	6	61	98	99	100
*Tyler Mesh Screen Analysis					
Hazardous Shipping Description					
<ul style="list-style-type: none">• There are no specific DOT restrictions, other than weight, to transport UREA.• A large spill of UREA should be recovered dry. All attempts should be made to keep it from dissolving into a vegetated drainage. The high nitrogen content (46%) can kill foliage if not diluted. Dissolved UREA can be handled, if necessary, by a municipal water treatment facility.• Consult MSDS #1132 for more specific and comprehensive information about chemical hazards.					

PRODUCT DESCRIPTION

UREA prill is a small diameter, spherical white solid. It is an organic amide molecule containing 46% nitrogen in the form of amine groups. UREA is infinitely soluble in water and is suitable for use as an agricultural and forestry fertilizer as well as for industrial applications which require a high quality nitrogen source. It is not a poison to mammals and birds and is a benign and safe chemical to handle.

APPLICATION RECOMMENDATIONS

- UREA prill is used as a slow release fertilizer. It must be decomposed by micro-organisms before it can be assimilated by plants.
- **ALWAYS** exercise caution when using this chemical as fertilizer because it has the highest nitrogen content of any solid.

TRANSPORTATION, STORAGE AND HANDLING

- UREA can be purchased in bulk quantities of 25-35 tons as well as in 50 pound and 1 ton bags.
- UREA will decompose into ammonia and carbon dioxide at 275°F.