

# UREA AMMONIUM NITRATE

(UAN) 32%N

## MAIN TECHNICAL CHARACTERISTICS

Specification Title	Result
Total Nitrogen (N), %	32.0 +/- 0.5
Type of organic corrosion inhibitor	Corrogard MC 1007A
Mass fraction of corrosion inhibitor, %	0.01 min
Urea to Ammonium Nitrate ratio, %	0.73 – 0.83
Alkalinity in free ammonia, %	0.01 – 0.5
Density, kg/m <sup>3</sup> at 40°C	1.29– 1.32
Appearance	Colourless or slightly coloured with shades of pink or grey.

**Notes:** UAN contains a corrosion inhibitor for the protection of carbon steel equipment. Chemicals allowed for application in accordance with established procedure are used as corrosion inhibitor. Light residue on the surface of the UAN is a normal feature.

**Transportation:** UAN with corrosion inhibitor may be transported in rail tank cars and truck tanks. Low crystallization temperature -2°C and chilling temperature -26°C allow transportation and storage of UAN year-round, especially in buried concrete and asphaltic heated storages, film-lined inside. Crystallization and short-term freezing of UAN solution in storage tanks are not very dangerous, since crystals are dissolved and fertilizers fully restore their properties with the rise of temperature.



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