



SPECIFICATIONS

Effective Date: October 22, 2009

Location: Borger

DEF Grade Prilled Urea

Description: Formaldehyde free, urea prills, manufactured to meet the specifications of DIN 70070:2005 and ISO 22241 standards when mixed with water grade 3 of ISO 3696, to produce Diesel Exhaust Fluid (DEF), AUS 32.

Urea, Automotive Grade

46-0-0

| CHEMICAL ANALYSIS | MIN | MAX | TYPICAL |
|--|------------|------------|----------------|
| Urea Concentration | | | >99% |
| Alkalinity as NH ₃ % (m/m) | | 0.6 % | |
| Biuret % (m/m) | | 0.9 % | |
| Aldehydes (mg/kg) | | 15 | |
| Insoluble Matter (mg/kg) | | 57 | |
| Phosphate (PO ₄) (mg/kg) | | 1.5 | |
| Calcium (mg/kg) | | 1.5 | |
| Iron (mg/kg) | | 1.5 | |
| Copper (mg/kg) | | 0.6 | |
| Zinc (mg/kg) | | 0.6 | |
| Chromium (mg/kg) | | 0.6 | |
| Nickel (mg/kg) | | 0.6 | |
| Aluminum (mg/kg) | | 1.5 | |
| Magnesium (mg/kg) | | 1.5 | |
| Sodium (mg/kg) | | 1.5 | |
| Potassium (mg/kg) | | 1.5 | |
| PHYSICAL ANALYSIS | | | |
| Bulk Density (kg/m ³ or lbs/ft ³) | | | |
| Loose | | | 760/47 |
| Tapped | | | 809/50 |

Please obtain a Material Safety Data Sheet for more information

To the best of the Manufacturer's knowledge and belief the information contained herein is accurate and reliable as of the date compiled. It is the user's responsibility to determine the suitability and completeness of such information for the user's own particular use or purposes..

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