

PRODUCT SPECIFICATION SHEET

Urea Ammonium Nitrate Solution (UAN) UAN 28%, 30% and 32% Total Nitrogen

| Typical Chemical Analysis | | | |
|------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| Parameter | UAN – 28 | UAN – 30 | UAN – 32 |
| Total Nitrogen wt. % | 28.0 | 30.0 | 32.0 |
| Free Ammonia, ppm | 500 max | 500 max | 500 max |
| Ammonium Nitrate, wt. % | 36 – 42 | 38 – 45 | 41 – 48 |
| Urea, wt. % | 29 – 33 | 30.5 – 35.6 | 32.6 – 38 |
| Corrosion Inhibitor, ppm | 150 – 250 | 150 – 250 | 150 – 250 |
| Typical Physical Properties | | | |
| Physical Form | Liquid | Liquid | Liquid |
| Color | Colorless | Colorless | Colorless |
| Odor | Slight Ammonia odor (Pungent) | Slight Ammonia odor (Pungent) | Slight Ammonia odor (Pungent) |
| Boiling Point | Approximately (225 °F – 107 °C) | Approximately (225 °F – 107 °C) | Approximately (225 °F – 107 °C) |
| Melting/Freezing Point | 28% UAN Salts Out @ 0 °F (-18 °C) | 30% UAN Salts Out @ 16°F (-9 °C) | 32% UAN Salts Out @ 32°F (0 °C) |
| PH | 6.8 – 7.5 | 6.8 – 7.5 | 6.8 – 7.5 |
| Solubility | 100% | 100% | 100% |
| Specific Gravity | 1.281 | 1.304 | 1.330 |
| Density @ 60 °F (lbs/Gallon) | 10.67 | 10.86 | 11.08 |
| Density @ 16 °C (Kg/Liter) | 1.28 | 1.30 | 1.33 |
| Salt Out Temperature, °F | 0(-18 °C) | 16 (-9 °C) | 32 (0 °C) |
| % Volatile By Volume | No Test Results | No Test Results | No Test Results |
| Molecular Weight | Not Applicable | Not Applicable | Not Applicable |
| Critical Temperature | No Test Results | No Test Results | No Test Results |
| Critical Pressure | No Test Results | No Test Results | No Test Results |

Comments:

UAN contains a corrosion inhibitor which reduces the corrosion rate of carbon steel under ambient conditions. UAN solution is corrosive and precautions should be taken to prevent corrosion damage and/or loss of product.

