



ARIYAN INTERNATIONAL INC.
Bridging Businesses Together

Ariyan International Inc.
Mississauga, Ontario, Canada.
Phone: +1 (416) 477 – 1746
Emails: contact@ariyancorp.com
cs@ariyancorp.com
info@ariyancorp.com
Website: <https://www.ariyancorp.com>

STANDARD SPECIFICATION OF UREA AMMONIUM NITRATE SOLUTION (UAN) UAN 28 %, 30 % & 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.