



Issue: 2.01  
Effective : Mar. 31, 2002  
Location : Kennewick, Kenai  
MN-9

## ANHYDROUS AMMONIA

### Industrial Grade

### 82-0-0

<u>CHEMICAL ANALYSIS</u>	<u>MIN</u>	<u>MAX</u>	<u>TYPICAL</u>
TOTAL NITROGEN (wt. %N)	82.0		
AMMONIA (% NH <sub>3</sub> )	99.5		
MOISTURE (wt. %H <sub>2</sub> O)	0.2	0.5	0.4
OIL (ppm)		5	1.3
IRON (Fe <sub>2</sub> O <sub>3</sub> ) (ppm)			0.9

### PHYSICAL CONSTANTS

COLOR				Colorless
SPECIFIC GRAVITY @ 68°F/20°C, 7.3 atm.				0.61
BOILING POINT @ 1 atm.				-28°F (-33.35°C)
FREEZING POINT				-107.9°F (-78.0°C)
POUNDS PER U. S. GALLON @ 68°F/20°C, 7.3 atm.				5.04
POUNDS PER UNIT N				24.3

TEMPERATURE (°F/°C)	30/-1.1	60/15.5	90/32.2	120/48.9
VAPOR PRESSURE (psig)	45	93	166	272

Please obtain a Material Safety Data Sheet for more information.

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