



ANHYDROUS AMMONIA 82-0-0

GUARANTEED ANALYSIS

TOTAL NITROGEN (N) 82.00%
82.00% Ammoniacal Nitrogen

Derived from Anhydrous Ammonia.

Weight per gallon: 5.68 lbs. per gallon @ 68°F.



DANGER

CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. HARMFUL IF INHALED.

PRECAUTIONARY STATEMENTS: Do not breathe fumes / gas / mist / vapors / spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Call a poison center / doctor if you feel unwell. Specific treatment see First Aid section on this label. Avoid breathing fumes / gas / mist / vapors / spray.

PERSONAL PROTECTIVE EQUIPMENT: Wear protective gloves / protective clothing / eye protection / face protection. Wash contaminated clothing before reuse.

FIRST AID: Immediately call a poison center / doctor.

IF SWALLOWED Rinse mouth. Do NOT induce vomiting.

IF ON SKIN OR HAIR Take off immediately all contaminated clothing. Rinse skin with water / shower. **IF INHALED** Remove person to fresh air and keep comfortable for breathing. **IF IN EYES** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE AND DISPOSAL: STORAGE Store locked up.

DISPOSAL Dispose of contents / container in accordance with local / regional / national regulations.

PHYSICAL CHARACTERISTICS

Composition 82% as ammoniacal nitrogen

Lbs. of nitrogen per gallon 4.22 @ 60°F

Lbs. of nitrogen per pound of ammonia 0.82 lbs.

Specific Gravity @ 60°F 0.617

Weight per gallon 5.15 lbs./gal.

Gallons per ton 388.5 gal./ton

Vapor Pressure @ 75°F 125 P.S.I.

Temperature of Vaporization

..... -28°F @ atmospheric pressure

pH 14 (highly alkaline)

CONSTRUCTION OF STORAGE & TRANSFER EQUIPMENT

1. Tanks and Vessels: Must be constructed of high strength steel meeting the requirements of the American Society of Mechanical Engineers (ASME) unified pressure vessel code. They normally must be designed for 250 PSIG operating pressures.

2. Piping, fittings, valves: High strength steel or certain nonferrous alloys are suitable for piping, fitting and valves. Galvanized pipe should never be used since ammonia containing even trace amounts of water readily attacks zinc. Ammonia also rapidly corrodes copper and many nonferrous alloys, such as brass. Piping, fittings and valves must be designed for working pressures of 250 PSIG. Only valves designed for anhydrous ammonia service may be used.

3. Hoses: Only hoses and couplings specifically designed for anhydrous ammonia service should be used. These hoses are designed for working pressures of 350 PSIG and minimum burst pressure of 1750 PSIG.

COMPATIBILITY

1. Simplot Anhydrous Ammonia 82-0-0 is commonly combined with poly phosphoric acid to produce poly-phosphate solutions.
2. Avoid contact with chlorine.
3. Simplot Anhydrous Ammonia 82-0-0 is not compatible with zinc, copper, or alloys of these materials.

USES

1. Simplot Anhydrous Ammonia 82-0-0 is suited for most crops.
2. Simplot Anhydrous Ammonia 82-0-0 is a gas under pressure and should be injected 6-8 inches deep into the soil. It should not be injected when fields are wet or cloddy.
3. Simplot Anhydrous Ammonia 82-0-0 can be used for pre-plant applications, side-dressed in the soil, or injected into irrigation water for surface irrigation.

ADVANTAGES

1. Low cost, concentrated source of nitrogen.
2. Resists leaching - After soil temperature drops below 50°F, anhydrous ammonia can be injected in the fall without fear of leaching loss. It immediately attaches to the soil particle and will not leach or volatilize out of the soil.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>

DISCLAIMER OF WARRANTIES: Seller warrants that the composition of this product conforms to the description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

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