



PRODUCT DATA SHEET

Ammonium Polyphosphate Solution, 11-37-00

PRODUCT DEFINITION

Liquid ammonium polyphosphate 11-37-00 (APP) is a clear liquid fertilizer containing 11% nitrogen and 37% phosphate. The phosphate source is composed of 60% to 70% in a polyphosphate form while the balance is in the form of orthophosphates. The polyphosphates in 11-37-00 extends the availability of fertilizer when applied in high pH soil conditions as well as aiding in sequestering needed trace elements for active plant growth. This polycontent in 11-37-00 also extends the storage life allowing for off season production. Unlike most granular phosphate material, liquid 11-37-00 is 100% water soluble.

GUARANTEED ANALYSIS

Total Nitrogen (N):	11.0% min
Available Phosphate (P ₂ O ₅):	37.0% min

TYPICAL PHYSICAL CHARACTERISTICS

Weight Per Gallon at 68°F (20°C)	12.0 lbs	% of Total P ₂ O ₅ in Orthophosphate Form	35
Gallons Per Ton	167	Viscosity at 75°F	80 cps
Pounds N Per Gallon	1.32	Salting Out Temperature	32°F
Pounds P ₂ O ₅ Per Gallon	4.44	pH	5.8 – 6.2
% of Total P ₂ O ₅ in Polyphosphate Form	65	Color	Light Green

CONSTRUCTION OF STORAGE & TRANSFER EQUIPMENT

1. Tanks: 11-37-00 can be stored in regular mild steel tanks and certain fiberglass tanks capable of handling 12 lb. fluids. Aluminum Tanks are not recommended for 11-37-00 storage but can be used for transporting or short term storage.
2. Pumps: Any pump recommended for use with liquid fertilizers. No brass or copper alloys.

USES

1. Is an excellent source of water soluble, fast acting ammonium phosphate with the most desirable ratio of N:P₂O₅.
2. An ideal source of phosphorus and nitrogen in complete liquid mixes.
3. For specific application rates follow the recommendation of a qualified individual or institution, such as, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.

ADVANTAGES

1. Contains all its nutrients in 100% water soluble forms.
2. Nonvolatile and safe to handle.
3. Liquid means no bags to lift, break or dispose of. Pumps or simple gravity do all the work.
4. The ideal ratio of N:P₂O₅ is a proven, superior fertilizer when band injected for crops such as tomatoes, sugar beets, corn, cotton, small grain and finer vegetable crops.
5. Compatible with most other liquid fertilizers. It is recommended to pretest a small volume of a new blend combination prior to full production. **NOTE:** 11-37-00 is not compatible with aqua or anhydrous ammonia.

IN CASE OF SPILLS

In the event of a spill or accidental discharge, contain spill and maximize recovery. Small spills can be absorbed in sand, kitty litter or other absorbent. For large spills, dike area and reclaim liquid. Absorb unclaimed liquid and wash area with water. Keep out of sewers, drinking water and all waterways.