

PRODUCT INFO & DATASHEET

SICO-APP Liquid NPK 11-37-0 Ammonium PolyPhosphate Liquid

High performance liquid nitrogen and phosphorus

- Origin Russia -

updated 10/2026

1. INTRODUCTION

SICO-APP liquid NPK 11-37-0 is a is a clear (or light green) colorless liquid ammonium polyphosphate solution that helps increase yields by satisfying a crop's essential need for nitrogen and phosphorus.

- A high concentration of nutrients and free of chloride
- Compatible with many fertilizer blends (except those containing calcium)
- Combines effectively with SICOTHIO +36 K (potassium thiosulfate) to give a highly efficient NPKS starter fertilizer
- Low salting out temperature (SOT)
- Long shelf life

2. BENEFITS

Soil balance

- Helps facilitate phosphorus mobility in the soil
- Polyphosphate phosphorus is less prone to becoming blocked in the soil compared to other phosphorus fertilizers

Crop quality

- Increased stalk and stem strength
- Improved flower formation and seed production
- More uniform crop and earlier maturity
- Stimulates root development

Nutrient uptake

- Increased nitrogen fixing capacity
- 50% P in the orthophosphate form that is immediately available for plants
- 50% P as a long chain polyphosphate available for plants over a period covering a few days to a few weeks

Liquid fertilizer benefits

- Easy to handle and safe to use
- Cost effective and environmentally friendly
- Fully compatible with irrigation systems and sprayers
- Does not plug drip lines or spray nozzles

3. TYPICAL PROPERTIES & SPECIFICATIONS

SPECIFICATIONS

N (w/w) as ammoniacal nitrogen	11 %
P2O5 (w/w)	37 %

TYPICAL PROPERTIES

Appearance / color	Clear, green or colorless	Density (at 25 °C) (kg/l)	1.44
pH range	6 – 7	Density (at 25 °C) - range (kg/l)	1.41 – 1.47
N (w/v)	15.8 %	Crystallization Temperature	-20 °C
P_2O_5 (w/v)	53.3 %	Heavy Metal - Cd (Cadmium)	< 1 mg/kg
N (g/l)	158	Heavy Metal - As (Arsenic)	< 1 mg/kg
P_2O_5 (g/l)	533	Heavy Metal - Pb (Lead)	< 1 mg/kg
Chemical formula	See MSDS	Heavy Metal - Hg (Mercury)	< 1 mg/kg

4. PACKING & STORAGE

Recommended storage temperature: Between -5 °C and 30 °C

Recommended storage conditions : Keep away from open flame and sources of heat. Store away from acidic substances, strong acids, alkali, metals. For packed material; store in sealed packaging that ensures safety of the product, in indoor ventilated areas. Avoid direct sunlight.

5. PACKING

In IBC of 1000 ltr, 1.44 MT. We can load 14 or 16 IBC per truck (either 20.16 MT or 23.04 MT per truck) or bulk truck (24 MT per truck).

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