



TECHNICAL DATA SHEET

12-0-0-26s AMMONIUM THIOSULFATE SOLUTION

Guaranteed Analysis:

	<u>Percent</u>
Total Nitrogen as N	12.0
Total Sulfur.....	26.0

Typical Analysis:

Nitrogen as N	12.05
Sulfur	26.05
Sulfites (SO ₃).....	2.0-4.0
Sulfates	1.0-3.0

Typical Properties:

Specific Gravity @ 75°F.....	1.32–1.33
Pounds/Gallon @ 60°F.....	11.10
Pounds Nitrogen/Gallon	1.3
Pounds S/Gallon	2.8
Pounds P/Gallon	1.92
Gallons/Ton	180
Freezing Point	<-0°F
Viscosity @ 65° F	125 CPS
pH	6.8 – 7.6
Color	Clear

Other:

P.I.N. (D.O.T)	None
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General Information:

12-0-0-26s is clear to light amber solution that is 100% water-soluble used in many agricultural applications.

Materials of Construction-Storage & Transfer Equipment:

1. Tank and vessels: 12-0-0-26s can be stored in mild steel non-pressure vessels.
2. Pumps, piping etc.: Use only pumps recommended for use with liquid fertilizers. Piping, valves and fittings may be mild steel or SCH 80 PVC. Galvanized pipe and brass fittings should be avoided.

Uses/Compatibility/Stability:

1. 12-0-0-26s is a non-pressure solution that is well adapted to a wide range of application practices: direct application in many pre and post plant programs; injecting or banding in the soil; or applied through irrigation systems.
2. 12-0-0-26s is a compatible source of Sulfur and Nitrogen used as a base solution when making complete formulations.
3. 12-0-0-26s is frequently used as a base in starter fertilizer formulations. It has an ideal N : S ratio for many crops.
4. Stable under normal ambient conditions of temperature and pressure.

Advantages:

1. 100% water soluble thiosulfate sulfur.... a readily available form of sulfur for the plants.
2. Readily available form of non-leachable Nitrogen.....the Nitrogen is in the Ammonium form, which resists leaching and provides Nitrogen to the plant over a longer period of time.
3. Low volatility.....form of Nitrogen and Sulfur that resists volatility.
4. Nitrogen and Sulfur combination improves nutrient uptake.....ammoniacal form of Nitrogen combined with Sulfur helps the plants to utilize the Sulfur more efficiently.

Safety:

Ammonium Thiosulfate Solution (12-0-0-26s): moderate eye and skin irritation; not generally considered toxic; non-flammable; non-D.O.T. regulated. No placards required.

