



Ammonium Thiosulfate 12-0-0-26S

CAUTION:
KEEP OUT OF REACH OF CHILDREN.

Description

Ammonium Thiosulfate (ATS) is a clear liquid containing 12% N and 26% S. ATS is compatible with Nitrogen solutions and NPK liquid blends, which are neutral or slightly acid in reaction. It is widely accepted for use in clear liquid blends, but is also well suited for use in suspensions.

Guaranteed Analysis

Total Nitrogen (N).....	12.00%
(As Ammoniacal Nitrogen)	
Total Sulfur (S).....	26.00%
Derived From: Ammonium Thiosulfate.	
Product of U.S.A	

Product Specifications

Density pounds per gallon at 60°F.....	11.10
Gallons(1) per ton	180
Salting out temperature °F	43°F to 45°F
Typical pH (2)	7.2 - 8.0
Specific Gravity @ 80°F	1.325 - 1.335
<i>(1) 1 gallon of Ammonium Thiosulfate contains 1.32 lbs of nitrogen and 2.87 lbs of Sulfur.</i>	
<i>(2) Ammonium Thiosulfate is essentially noncorrosive and may be stored in mild steel, poly and aluminum vessels.</i>	

General Usage Directions

Nitrogen and sulfur are important in protein synthesis. For best management practices ATS should be applied in combination with enough UAN solutions or aqua ammonia to make an N:S ratio of 5:1. Applications of 20 to 50 lbs of S (8 to 18 gallons of ATS) per acre per year depending growing conditions, soil type, fertilizer placement, crop and yield potential. For best results follow soil and plant tissue analysis guidelines on sulfur nutrition for crops in your area. When applying ATS to the soil as a band application, the band should be 2 inches to the side and 2 inches below the seed furrow. ATS can be applied by sprinkler, drip, flood and furrow irrigation and can be used as a topdress in pastures and small grains.

Precautions for Use

Ammonium Thiosulfate is not recommended as a foliar application for most crops. When making topdress applications follow local recommendation on timing of application and a tissue analysis is recommended.

Do not apply ATS directly on or below germinating seed such as a "pop up" fertilizer program or reduced germination can occur.

Do not use ATS with acidic(pH<6.0)materials.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.
Do not store near acids or other acidic materials

Precautionary Statement

Avoid prolonged contact with eyes, skin and clothing. To protect eyes, chemical safety glasses or a full face shield should be worn. To protect skin, wear rubber or plastic aprons, rubber gloves and boots. Avoid breathing mist or vapor. Keep containers closed and wash thoroughly after handling. May cause gastrointestinal distress if swallowed.

First Aid

In case of contact with eyes: Immediately flush eyes with water for at least 15 minutes. Obtain immediate medical attention.

In case of skin contact: Immediately flush skin with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention.

In case of ingestions: If victim is conscious, give 2 to 4 glasses of water and induce vomiting. Obtain immediate medical attention.

In case of inhalation: Remove victim from contaminated area. If breathing is labored, administer oxygen. Obtain immediate medical attention.

Environmental Hazards

Keep product out of lakes, ponds, rivers and streams. Do not contaminate ground water or surface water by cleaning equipment or disposal of waste. In case of spill, use normal containment procedures and maximize recovery. Exercise caution in spill area for slippery conditions. Dispose of contaminated materials in accordance with regulatory requirements.

WARRANTY DISCLAIMER and LIMITATION of LIABILITY: Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESSED OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyers choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Buyer by purchasing or using this product expressly waives any and all warranties implied by law, including, but not limited to any implied WARRANTY OF MERCHANTABILITY or implied WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Use contrary to label directions is not permitted.

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