



TECHNICAL DATA SHEET

AMMONIUM THIOSULPHATE SOLUTION

AGRICULTURAL GRADE

PRODUCT DATA AND TYPICAL PROPERTIES

Composition	: Ammonium thiosulphate in solution as essential component
Formula	: $(\text{NH}_4)_2\text{S}_2\text{O}_3$
Appearance	: Clear colourless or pale yellow liquid
Density (20°C)	: 1.33 kg/dm ³ approx.
pH (20°C, as it is)	: 8.5 approx.
Crystallisation temperature	: 0°C approx.
Compatibility	: It mixes easily with most liquid fertilisers and liquid micronutrients fertilisers. It can be applied alongside many herbicides. Blending with strong acids and anhydrous ammonia should be avoided.
Water miscibility	: 100%

PRODUCT SPECIFICATION

Ammoniacal nitrogen (N)	% w/w as N	12.0 ± 0.4
Sulphur trioxide (SO ₃) from thiosulphate	% w/w as SO ₃	61.0 ± 0.9
Sulphur trioxide (SO ₃) soluble in water	% w/w as SO ₃	65.0 ± 0.9

The product is tested using our standard analytical methods.

STANDARD PACKAGING

200L polyethylene drums and 1000L intermediate bulk containers (IBCs)
Road tankers, according to transport regulations

HANDLING AND STORAGE

Being non-corrosive, the product can be stored in mild steel or aluminium containers, as well as in any type of storage used for fluid fertilisers. As with all other nitrogen solutions, it should not be allowed to contact with tin, copper, brass or other alloys.

Shelf life: Nominally 12 months.
Storage Conditions: In a cool, dry warehouse out of direct sunlight (0-40°C).

MAIN USES

Ammonium Thiosulphate Solution is high analysis sulphur fertiliser ideal for S crop nutrition; it may be applied alone or blended with fluid formulations to increase the S and N content.
It can be used for the treatment and reclamation of saline and alkali soils.
The addition of Ammonium Thiosulphate Solution to urea-ammonium nitrate solutions increases the efficiency of N applied slowing gaseous losses of ammonia and leaching of nitrates.

Product: AMMONIUM THIOSULPHATE SOLUTION Issue No. 3 Issue Date: Jan 2023

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