

Ammonium Sulphate (Granular)

Ammonium Sulfate or Diammonium Sulphate is an inorganic salt that is a vital source of nitrogen (N) and sulfur (S) for crop nutrition. It can be used as a directly applied fertilizer and a component of NPK blends and compound fertilizers. It is suitable for vegetables, fruits, turf, flowers, ornamentals, and vines or when nitrogen and Sulphur are necessary. Its nutrient analysis designation for N, P, K, and S is 0-0-21-24S. Ammonium Sulphate supplies two fundamental nutrients: nitrogen and sulfur. Of the total nitrogen fertilizers, only 4% is ammonium sulfate. The main reason for this is the relatively low Nitrogen content of AS, compared to that of Urea (21% and 45% respectively).

The additional Ammonium Sulphate supply has been absorbed quickly in the marketplace, because of a general increase in fertilizer demand and an increased need for sulfur nutrition. It is typically supplied in dry form, either in the form of crystals or as a compacted, granular product. Crystalline ammonium sulfate can vary widely in particle size and shape whereas Granular is uniformly shaped.

Properties	Typical
Appearance	Brownish to white granular
Mass fraction of Nitrogen on a dry basis, %	>21
Moisture, %	<0.3
Mass fraction of sulphuric acid, %	<0.05
Friability, %	100
Mass fraction of Sulphur, %	>24
Fraction composition, %	
Fraction Mass (2.0-4.0 mm)	>90
Static strength of granules, kgs/granule	3
Arsenic (as As ₂ O ₃) % by wt. Max.	0.01
Solubility	Freely soluble in water
pH	5.5

Applications

- Used in the manufacture of sulfuric acid to free it from nitrogen oxides, analytical uses, freezing mixtures, flameproofing fabrics and paper, in the manufacturing of viscose silk, tanning, and galvanizing iron.
- It is also used for precipitating proteins and the commercial grade is used as a fertilizer and herbicide additive.





BUOYANCY®
عواطف

BUOYANCY GENERAL TRADING LLC

Packing

50 Kg or 1000 Kg PP/PE bags or as requested.

Storage

- 1) Prevent from moisture absorption, keep away from heat,
- 2) Keep in a well-ventilated area, do not encounter acids and alkaline substances,
- 3) Protect from dust.
- 4) Ensure bags are sealed and in good condition.



BUOYANCY®
عواطف

COMMENTS

Typical chemical and physical properties do not constitute product specifications and are not guaranteed or warranted. These properties are provided for informational purposes only.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet ("SDS") contains essential environmental, health, and safety information concerning its handling and storage. This product's most current version of the SDS can be obtained by contacting a Buoyancy General Trading LLC representative.



+971 04 2809586
+971 04 263 9816 (Fax)



sales@buoyancy.ae
inquiry@buoyancy.ae



www.buoyancy.ae
P O Box Number : 86703 Dubai, UAE