

PRODUCT DATA SHEET: AMMONIUM SULFATE - GRANULAR 3

FORMULA	(NH ₄) ₂ SO ₄ Molecular weight: 132.14 CAS No.: 7783-20-2			
INTRODUCTION	Ammonium Sulfate is a solid, crystalline inorganic salt mainly used as a soil fertilizer, providing both nitrogen and sulfur for crop production. Sulfur is one of the major macronutrients essential for plant growth and nutrition. Ammonium Sulfate is used as direct soil fertilizer or as a component in a dry blend fertilizers.			
APPEARANCE	Whitish, free flowing, hygroscopic crystalline solid which is highly water soluble and odorless.			
STORAGE	Store in a dry area at ambient temperatures, away from strong oxidizers.			
SAFETY & APPLICATION INFO	Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety, handling and disposal. Not to be used in food, feed, and pharmaceutical products.			
PHYSICAL PROPERTIES	Loose Bulk Density (20°C)	1040 ± 30 kg/m ³		
	Melting point	235°C		
	Vapor pressure at 20°C	Negligible		
	Flash point	Not flammable		
SPECIFICATION	PARAMETER	VALUE		
	Ammoniacal Nitrogen (as N)	min 21.0% by mass (weight)		
	Water-soluble Sulfur	min 24.0% by mass (weight)		
	Free sulfuric acid	max 0.02% by mass (weight)		
	Water	max 0.2% by mass (weight)		
	Sieve analysis	Mean particle size in mm	3.4 ± 0.3 mm	
		Fraction	< 2.0 mm	Max. 10%
		> 4.75 mm	Max. 14%	
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