

**DIAMMONIUM PHOSPHATE
TECHNICAL GRADE**

DESCRIPTION	Diammonium Phosphate is an anhydrous, white material, available in granular or powdered form. The 100 mesh Powdered F.F. form is conditioned with powdered free flowing tricalcium phosphate.
USES	<u>Agriculture</u> √ Ingredient in specialty all-soluble dry fertilizers <u>Building Materials</u> √ Flame-proofing of wood <u>Paint</u> √ Ingredient in flame-proofing of specialty paper; prevention of afterglow in matches <u>Pulp and Paper</u> √ Flame-proofing of specialty paper; prevention of afterglow in materials <u>Textile</u> √ Flame-proofing of fabrics and cotton batting. Nutrient feed for biological treatment plants.
NOMENCLATURE	Ammonium Phosphate, Dibasic
FORMULA	$(\text{NH}_4)_2 \text{HPO}_4$
FORMULA WEIGHT	132.1
CAS NUMBER	7783-28-0
CAS INDEX NAME	Phosphoric Acid, Diammonium Salt
E/INS NUMBER	342(ii)
RE-TEST DATE	12 months after the date of manufacture
CERTIFICATES	Includes NAFTA and others
LABEL DECLARATION	Diammonium Phosphate
GRADE	Technical
MANUFACTURING LOCATION(S)	Coatzacoalcos, Veracruz, Mexico - Granular Chicago Heights, IL - Powdered

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SHIPPING POINTS Chicago Heights, IL – Granular and Powdered
Coatzacoalcos, Veracruz, Mexico – Granular
Mobile, AL - Granular

CONTAINERS 50 lb net weight paper bags – granular/powder
(40 bags per pallet) (R/C CZ512.435)
80 lb net weight plastic bags – granular (25 bags per pallet)
(R/C CZ512.171)
Super Sacks – granular (2,000 lb sack, 1 per pallet)
(R/C CZ512.207)
Other containers available upon request

STORAGE Cool and Dry

SPECIFICATIONS

100-MESH

	GRANULAR	POWDERED F.F.
P ₂ O ₅ , %	53.0% min.	53.0% min.
NH ₃	25.0% min.	24.5% min.

TYPICAL PROPERTIES

pH (1% solution)	8.0		
Moisture	0.10%		
Solubility	41 gms per 100 gms saturated sol. At 25°C (granular only)		
Stability	Decomposition initiates at 70°C		
		100-Mesh	
Sieving	GRANULAR	POWDERED F.F.	
Through 10 mesh	98%	100%	
Through 100 mesh	7.5% max	97%	
Bulk Density (lbs per Cu/ft) [loose]	58	38	

1/28/10