

Product Information

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.

NOMENCLATURE

Ammonium Phosphate, Dibasic
DAP

FORMULA

$(\text{NH}_4)_2 \text{HPO}_4$

FORMULA WEIGHT

132.1

CAS NUMBER

7783-28-0

CAS INDEX NAME

Phosphoric Acid, Diammonium Salt

STORAGE

Cool and dry

SPECIFICATIONS

	<u>Granular</u>	<u>100-Mesh Powdered F.F.</u>
P ₂ O ₅	53.0% minimum	53.0% minimum
NH ₃	25.0% minimum	24.5% minimum

USES

Agriculture – Ingredient in specialty all-soluble dry fertilizers.
Building Materials – Flame-proofing of wood.
Paint – Ingredient in flame-resistant paint.
Pulp and Paper – Flame-proofing of specialty paper; prevention of afterglow in matches.
Textile – Flame-proofing of fabrics and cotton batting.
Nutrient feed for biological treatment plants.

CERTIFICATES

Includes NAFTA and others.

GRADE

Technical

MANUFACTURING LOCATION(S)

Coatzacoalcos, Veracruz, Mexico - Granular
Chicago Hts., IL – Powdered

SHIPPING POINTS

Coatzacoalcos, Veracruz, Mexico-Granular
Chicago Hts., IL-Granular and Powder
Mobile, AL-Granular

CONTAINERS

25 kilogram net weight Plastic Bags–granular (40 bags per pallet)
50-pound net weight Paper Bags–granular/powder (40 bags per pallet)
80-pound net weight Plastic Bags–granular (25 bags per pallet)
Super Sacks–Granular (2,000 lb. sack, 1 per pallet)

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

	<u>Granular</u>	<u>100-Mesh Powdered F.F.</u>
Sieving		
through 10 mesh	100%	100%
through 100 mesh	5%	97%
Bulk Density	58	28
(lbs. per cu/ft [loose])		

03/03