

Product Information

MONOAMMONIUM PHOSPHATE Technical Grade

DESCRIPTION

Monoammonium Phosphate is an anhydrous, white material available either in granular or powdered form. The 100-mesh Powdered F.F. form is conditioned with powdered free-flowing tricalcium phosphate.

NOMENCLATURE

Ammonium Phosphate, Monobasic
MAP

FORMULA

$\text{NH}_4\text{H}_2\text{PO}_4$

FORMULA WEIGHT

115.0

CAS NUMBER

7722-76-1

CAS INDEX NAME

Phosphoric Acid, Monoammonium Salt

STORAGE

Cool and dry

SPECIFICATIONS

	<u>Granular</u>	<u>100 Mesh Powdered FF</u>
P_2O_5	61.0% min	60.0% min.
NH_3	14.5% min	14.3% min.

USES

Agriculture – Ingredient in specialty all-soluble dry fertilizers.
Building Materials – Flame-proofing of wood.
Ceramics – Vitreous enamel frits and investment precision casting compounds.
Pulp and Paper
Flame-proofing of specialty paper and fabrics;
Preventer of afterglow in matches.
Textile – Acidulation agent in dye baths.
Flame-proofing of fabrics and cotton battings.
Nutrient feed for biological treatment plants.
Fire extinguishers.

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

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

TYPICAL PROPERTIES

	<u>Granular</u>	<u>100 Mesh Powdered FF</u>
pH (1% sol)	4.6	4.8
Moisture	0.10%	0.15%
Sieving		
through 10 mesh	100%	100%
through 100 mesh	5%	96%
Bulk Density (lbs. per cu/ft)	59	45
Solubility (granular only) – 29 grams per 100 gms saturated solution at 25°C.		
Stability (both) – Decomposition initiates at 125°C.		

10/03