

**MONOAMMONIUM PHOSPHATE  
TECHNICAL GRADE**

<b>DESCRIPTION</b>	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.
<b>USES</b>	<u>Agriculture</u> √ Ingredient in specialty all-soluble dry fertilizers. <u>Building Materials</u> √ Flame-proofing of wood. <u>Ceramics</u> √ Vitreous enamel frits and investment precision casting compounds <u>Pulp and Paper</u> √ Flame-proofing of specialty paper and fabrics; preventer of afterflow in matches <u>Textile</u> √ Acidulation agent in dye baths. √ Flame-proofing of fabrics and cotton battings. √ Nutrient feed for biological treatment plants. √ Fire extinguishers.
<b>NOMENCLATURE</b>	Ammonium Phosphate, Monobasic MAP
<b>FORMULA</b>	$\text{NH}_4\text{H}_2\text{PO}_4$
<b>FORMULA WEIGHT</b>	115.0
<b>CAS NUMBER</b>	7722-76-1
<b>CAS INDEX NAME</b>	Phosphoric Acid, Monoammonium Salt
<b>STORAGE</b>	Cool and Dry
<b>RE-TEST DATE</b>	12 months after the date of manufacture
<b>CERTIFICATES</b>	Includes NAFTA and others.

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<b>GRADE</b>	Technical
<b>MANUFACTURING LOCATION(S)</b>	Coatzacoalcos, Veracruz, Mexico - Granular Chicago Heights, IL - Powdered
<b>SHIPPING POINTS</b>	Coatzacoalcos, Veracruz, Mexico – Granular Chicago Heights, IL – Powdered and Granular Mobile, AL - Granular
<b>CONTAINERS</b>	50-lb net weight paper bags-Granular & Powdered (40 bags per pallet) (R/C CZ502.435) Super Sacks-Granular only; (2,000lb sack, 1 per pallet) (R/C CZ502.207) Other containers available upon request

**SPECIFICATIONS**

	<b>GRANULAR</b>	<b>100 Mesh Powdered FF</b>
P <sub>2</sub> O <sub>5</sub>	61.0% min.	60.0% min.
NH <sub>3</sub>	14.5% min.	14.3% min.

**TYPICAL PROPERTIES**

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

11/3/08