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.

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 afterflow in matches
- Textile
  - Acidulation agent in dye baths.
  - Flame-proofing of fabrics and cotton battings.
  - Nutrient feed for biological treatment plants.
  - Fire extinguishers.

NOMENCLATURE
Ammonium Phosphate, Monobasic
MAP

FORMULA
NH₄H₂PO₄

FORMULA WEIGHT
115.0

CAS NUMBER
7722-76-1

CAS INDEX NAME
Phosphoric Acid, Monoammonium Salt

STORAGE
Cool and Dry

RE-TEST DATE
12 months after the date of manufacture

CERTIFICATES
Includes NAFTA and others.

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GRADE Technical

MANUFACTURING LOCATION(S)
Coatzacoalcos, Veracruz, Mexico - Granular
Chicago Heights, IL - Powdered

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

CONTAINERS 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

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<thead>
<tr>
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<th>GRANULAR</th>
<th>100 Mesh Powdered FF</th>
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<tbody>
<tr>
<td>P₂O₅</td>
<td>61.0% min.</td>
<td>60.0% min.</td>
</tr>
<tr>
<td>NH₃</td>
<td>14.5% min.</td>
<td>14.3% min.</td>
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TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>GRANULAR</th>
<th>100 Mesh Powdered FF</th>
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<tbody>
<tr>
<td>pH (1% solution)</td>
<td>4.6</td>
<td>4.8</td>
</tr>
<tr>
<td>Moisture</td>
<td>0.10%</td>
<td>0.15%</td>
</tr>
<tr>
<td>Sieving</td>
<td></td>
<td></td>
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<tr>
<td>Through 10 mesh</td>
<td>100%</td>
<td>100%</td>
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<tr>
<td>Through 100 mesh</td>
<td>5%</td>
<td>96%</td>
</tr>
<tr>
<td>Bulk Density (lbs per cubic ft)</td>
<td>59</td>
<td>45</td>
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<tr>
<td>Solubility (granular only)</td>
<td>29 grams per 100 gms saturated solution at 25ºC.</td>
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<tr>
<td>Stability (both)</td>
<td>Decomposition initiates at 125 ⁰C</td>
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11/3/08

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