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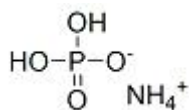
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Technical Data Sheet

Monoammonium Phosphate

Product Information

| | |
|--------------------|------------------------|
| Chemical Name | Monoammonium Phosphate |
| CAS # | 7722-76-1 |
| EINECS | 231-764-5 |
| Formula | H6NO4P |
| Molecular Weight | 115.03 |
| Synonyms | MAP |
| Chemical Structure | |



Description

Monoammonium Phosphate is a white crystal granule, which is easily soluble in water, slightly soluble in alcohol, but insoluble in ketone. Its PH value of 1% solution is 4.5 and melted at 190°C.

Physical Properties

| | |
|-------------------|------------------------------|
| Melting point, °C | 190 |
| Appearance | White crystal granule |
| Solubility | Soluble in water and alcohol |

Specification

Food Grade:

| | |
|------------------------|------------|
| Main content | 99.0%min. |
| Phosphorus pentoxid | 61.0%min. |
| Nitrogen as N | 11.9%min. |
| PH value (1% solution) | 4.3-5.0 |
| Moisture | 0.2%max. |
| Heavy metal, as Pb | 0.001%max. |
| Arsenic, as As | 0.0003max. |

| | |
|-----------------|-----------|
| Fluoride as F | 0.001max. |
| Water insoluble | 0.10max. |

Technical Grade

| | |
|------------------------|-----------|
| Main content | 99.0%min. |
| Phosphorus pentoxid | 61.0%min. |
| Nitrogen as N | 11.9%min. |
| PH value (1% solution) | 4.2-4.8 |
| Moisture | 0.2%max. |
| Heavy metal, as Pb | / |
| Arsenic, as As | / |
| Fluoride as F | / |
| Water insoluble | 0.10max. |

Applications

For industry, Monoammonium Phosphate is used as a fire-prevention agent for fabric, timber and paper, as well as a fire-prevention coating, and dry powder for fire extinguisher.

For food grade it is mainly used as a fermentation agent, nourishment, and so on. It is used as a high effective non-chloride N, P compound fertilizer in agriculture. Its total nourishment (N=P2O5) is at 73%, and may be used as a basic raw material for N, P and K compound fertilizer.

Package

It is packed with 25 kg , 50 kg or 1000kg

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