

## MONOAMMONIUM PHOSPHATE

Product name: Mono Ammonium Phosphate

Chemical name : Phosphoric acid, Mono Ammonium salt

Molecular formula:  $\text{NH}_4\text{H}_2\text{PO}_4$

CAS number: 7722-76-1

### Physical and chemical properties

Appearance:	Colorless or white crystal
Bulk density:	1.021Kg/L
Melting point:	190°C
PH of 1% solution at 25°C:	4.41
Solubility in water:	250g/L at 20°C

### Specification

	Tech grade	Food grade
Main content:	99%min	99%min
P <sub>2</sub> O <sub>5</sub> :	61%min	61%min
N as NH <sub>4</sub> :	12%min	12%min
Moisture:	0.2%max	0.2%max
Insolubles:	0.1%max	0.1%max
As		0.0003%max
Pb		0.001%max

### Applications:

For tech grade:

- Used as a high quality fertilizer material in agricultural crops. It is applied after being dissolved in water through the irrigation system or as a foliar spray
- Used as a fire retardant for fabric, wood and paper
- Used as a basic raw materials for N.P.K compound fertilizer

For tech grade: Used as ferment agent, nourishment, and so on

**Packing:** in 25kg or 50kg woven polypropylene bags