

Identification
 $(\text{NH}_4)_2\text{HPO}_4$

M = 132,06 g/mol

CAS [7783-28-0]

EC number: 231-987-8

Taric code: 3105 30 00

Synonyms

Ammonium biphosphate, Ammonium phosphate dibasic, Fyrex

Applications


Fire-resistant protective clothing, dentifrices, corrosion inhibitor, analytical chemistry.

Specifications

assay (acidimetric).....	min. 98 %	calcium (Ca).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	heavy metals (as Pb).....	max. 0,0005 %
pH (5 %, H ₂ O, 25 °C).....	7,7 - 8,1	iron (Fe).....	max. 0,001 %
chlorides (Cl).....	max. 0,0005 %	magnesium (Mg).....	max. 0,0005 %
nitrates (NO ₃).....	max. 0,001 %	potassium (K).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,004 %	sodium (Na).....	max. 0,001 %
arsenic (As).....	max. 0,00005 %	total sulphur (as SO ₄).....	max. 0,004 %

Packaging
Packaging Code

500 g  AM03120500

1 kg  AM03121000

25 kg  AM0312025P

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,62 g/cm³
- Bulk density: ~ 800 -1000 kg/m³
- Solub. in water: (20 °C): 690 g/l
- Melting point: 155 °C (decomposes)
- pH(50 g/l H₂O) (20 °C) 7,8 - 8,5

Safety - GHS
Signal Word: Warning

Hazard Statements:

- H312: Harmful in contact with skin.
- H332: Harmful if inhaled.

Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P322: Specific measures (see on this label).
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P363: Wash contaminated clothing before reuse.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- WGK: 1
- Poison class CH (Swiss): 4