

di-Ammonium hydrogen phosphate, Pharmpur®, NF

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)..... 96,0 - 102,0 %

Identification ammonium..... passes test

Identification phosphate..... passes test

pH (1 %, H₂O)..... 7,6 - 8,2

chlorides (Cl)..... max. 0,03 %

sulfates (SO₄)..... max. 0,15 %

arsenic (As)..... max. 3 ppm

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.

P321: Specific treatment (see on this label).

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor / physician if you feel unwell.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

• 10°C - 30°C