

Product Information

Monoammonium Phosphate Tech Grade

Product Description:

Monoammonium Phosphate Tech Grade is a white crystalline powder. It is widely used in agriculture, due to its rich Nitrogen and Phosphorous profile. Its use in magnesium phosphate cement is due to its high resistance to heat and flame makes it an ideal choice for use in building materials designed to protect against fires.

Applications:

Monoammonium Phosphate Tech Grade can also be used as an additive in the production of magnesium phosphate cement. It can be used in a variety of construction applications, including as a binder in concrete and mortar, as well as in the production of prefabricated building components. It is commonly used to manufacture fire-resistant materials, dry fire-extinguishers, including panels, wall insulation, industrial flooring.

Chemical Formula:

$\text{NH}_4\text{H}_2\text{PO}_4$

CAS No. :

7722-76-1

Specifications:

Parameters (units)	Specifications
Appearance	White crystalline powder
Particle size, particles passed through 120 mesh (%)	≥ 90
Particle size, particles retained on 18 mesh (%)	≤ 5
Bulk density (g/mL)	0.8 - 1.2
Insoluble matter (%)	< 0.1
Water content (H ₂ O%)	< 0.2
pH level, 1% aqueous solution	4.2 - 4.7
NPK	12-61-0
Total nitrogen content (N%)	11.5 - 13.0
Ammoniacal nitrogen content (NH ₄ %)	11.5 - 13.0
Phosphorous content (P ₂ O ₅ %)	60.5 - 62.0
Phosphorous content (P%),	26.4 - 27.1

*% denoted represents wt/wt %, unless noted otherwise

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Packaging:

Material is packed in 25kg polyethylene bags or 1t net woven polypropylene bags with a polyethylene inner bag. 1t option also includes a discharge spout and lifting loops. Further packaging options may be available upon inquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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