



MONO AMMONIUM PHOSPHATE 12.61.0 – MAP TG *(water soluble fertiliser)*

Origin: E.U.

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Date effective – edition : June, 2026 - 01

DESCRIPTION

General Description

NP fertiliser 12-61

Hygroscopic odourless white crystals. Risk of caking.

Ingredients, CAS number & Component Material Category (CMC)

Monoammonium phosphate1 (CAS n°: 7722-76-1)

Formula

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

EC number

231-764-5

Grade

Technical grade

Molecular weight

115

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
Total P_2O_5 (as is)	%	61.5	61.1 Min.	ELC 20
P	%	26.8	26.6 Min.	ELC 99
N- NH_4 (ammoniacal)	%	12.1	11.8 Min.	ELC 24
Assay	%	99.9	96.0 - 102.0	ELC 99
pH solution 1%		4.4	4.2 - 4.8	ELC 17
Insoluble matters	%	0.03	0.05 Max.	ELC 15
Impurities content				
As	ppm	< 2.0	2.0 Max.	EICP 01
Cd	ppm	< 1.0	1.0 Max.	EICP 01
Cl	ppm	5.6	10.0 Max.	ELC 03
F	ppm	121	250 Max.	ELC 01
Hg	ppm	< 1.0	1.0 Max.	EICP 24
Pb	ppm	< 1.0	1.0 Max.	EICP 01
Sulfate (as SO_3)	ppm	522	1000 Max.	EICP 01
Physical properties				
Bulk density	g/cm ³	1.02	-	ELC 12
	lbs/ft ³	64	-	Calculation

THEORETICAL VALUES

Solubility : 36.5 g/100 g water @ 20°C

HANDLING PRECAUTIONS

Storage : Store in a cool, dry and odorless place. Protect from humidity. Keep in the packaging of origin, shrink-wrapped.

Shelf life : Best before 3 years after production date in appropriate storage conditions

Packaging types : 25 kg bags and/or 1 T big bags

Safety informations : See SDS

KEY PROPERTIES

MAP TG is a monoammonium phosphate used as an additive in various industries ranging from textile manufacturing or fragrances to metal treatment.

Main properties includes good water-solubility, acidity regulator, reducing and coating agents. As a crystal, it displays bi-refractive & piezoelectric properties which is applicable in ceramics, transducers & acoustic sonars, quartz & electrooptic, polymers and other nano-materials. Its decomposition under heat makes it a valuable fire retardant agent used in powder, liquids or coatings.

The natural association of ammonia and phosphorus also makes it a source of nutrients in bio-processing, fermentation and fertilization.

USE

Instructions for use and application rates: For professional use only. Application rate depends on crop conditions.

Farmers are advised to contact their advisor to determine the recommended application rate for their specific situation

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**PRODUCT INFO
& DATASHEET**

MAIN APPLICATIONS

- Water soluble fertilizers
- Vinyls and polymers
- Ceramics
- Electro-optics
- Electronic & transducers
- Fireproofing agent
- Fire extinguishing powders
- Nutrient for yeast and in many other fermentation processes
- Many other industrial processes

CERTIFICATIONS

ISO 9001 (Quality) - ISO 14001 (Environment) - ISO 45001 (Health & Safety) - ISO 50001 (Energy) - Kosher Pareve Passover - Halal

STATEMENTS

This product complies with additional regulatory and quality requirements not listed in this document. Statements are available upon request.

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VALIDITY

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