TECHNICAL DATA SHEET

HORTIPRAY® POTASSIUM NITRATE 13-0-46

DESCRIPTION

Product Function Category (PFC) Compound solid inorganic macronutrient fertiliser PFC 1(C)(I)(a)(ii)		**Date effective - edition** December, 2022 - 02
General Description NK fertiliser 13-46 Hygroscopic white powder. Risk of caking.		**Grade** Horticultural grade
Granulometry Powder. 90 % of the product passes through sieve of 1 mm.		
Ingredients, CAS number & Component Material Category (CMC) Potassium nitrate[1] (CAS n°: 7757-79-1) - [1]Virgin material substances and mixtures (CMC 1)		
Formula KNO_3	**EC number** 231-818-8	**Molecular weight** 101
Declared nutrients 13.7% Total nitrogen (N) 13.7% Nitric nitrogen (N) 46.2% Potassium oxide (K_2O), water-soluble		**Transport** Class 5.1 UN 1486 Packing Group III (E)

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
K_2O	%	46.2	45.3 - 46.3	Calculation
K	%	38.3	37.6 - 38.4	ASTM 2011 vol 11.01 D4192-08
N	%	13.7	13.0 - 13.8	Standard method*
pH		6.0 - 8.0	4.0 - 9.0	
Water insolubles	%	0.01	0.05 Max.	AOAC 2005, 18th Edition, Method 925.55 - C
Physical properties				
Bulk density tapped	kg/cm³	1.1 - 1.2	1.1 - 1.2	-

* Standard method for the Examination water & waste water 21st edition (4 - 120)

THEORETICAL VALUES

Solubility	240 g/L water @ 20°C

STORAGE & SHELF LIFE

Store in a dry, cool and well-ventilated place. Keep packaging closed when not in use. Keep away from combustible material. Keep away from naked flames/heat. Keep away from sources of ignition.

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

CE

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For further information on our Products & Services, visit our Web sites :
www.prayon.com and www.hortipray.com

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MAIN APPLICATIONS

- Horticulture
- Water soluble fertiliser for fertigation, hydroponics and vertical farming
- Provide nutrients for plants
- Ingredient of NPK blends
- Foliar application, flower inducement, winter breaking dormancy

Plant location	Jordan
Packaging types	Big bags of 500 kg net and 1200 kg net – Bags of 25 kg net
Handling precautions	See SDS

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.

CERTIFICATIONS

ISO 9001 (Quality)

REGULATIONS

Meets the requirements of current Regulation (EU) 2019/1009 of the European Parliament and of the Council on the making available on the market of EU fertilising products

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors - Annex II: Reportable explosives precursors.

MISCELLANEOUS

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VALIDITY

Subject to modification of the formulation of the product, the manufacturing process or the regulations, the validity of this sheet is 3 years.

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