



THE WORLDWIDE
BUSINESS FORMULA

Ultrasol[®] MKP



Ultrasol[®] MKP contains 52% P_2O_5 and 34 % K_2O . This combination of two essential nutrients makes MKP the most concentrated water-soluble product with a total of 86% nutrients. The absence of ammonium allows the use of **Ultrasol[®] MKP** in all intensive horticultural production systems.

Ultrasol[®] is a complete range of water-soluble nutritional solutions, designed to offer an integrated solution in fertigation, starting from the plant's need per phenological phase, including both macro- and micronutrients, which contributes to an efficient nutrient absorption.

Ultrasol[®] is powered by **The Element Q**, the exclusive warranty seal of **SQM's** business formulae, which boosts the yield of your crop and optimizes the profitability of your business.



Macronutrients • Micronutrients • By Stage • By Crop • Acid Line

www.sqm.com

KEY ADVANTAGES OF ULTRASOL® MKP

High Purity

Ultrasol® MKP is free of chloride, sodium and heavy metals.

Fully Soluble

Ultrasol® MKP is a free-flowing crystalline powder that quickly dissolves in water.

Compatibility

Ultrasol® MKP can be mixed with all water-soluble fertilizers other than calcium-containing products.

Ultrasol® MKP is compatible with the majority of pesticides for foliar application.

pH Buffer

The phosphate in Ultrasol® MKP buffers fertigation solutions, keeping the pH effectively stable at around 4,5 and increasing micronutrient availability in soils.

Ultrasol® MKP also buffers chemical solutions and increases the effectiveness of pesticide sprays.

Low Salt Index and Low EC

Ultrasol® MKP has a low salt index of 8,4 and a low EC value of 0,7 mS/cm (1g/l) which is beneficial for young plants (nurseries), for foliar applications, or for crops that are sensitive to high salt concentrations, thus minimizing the risk of causing salt stress.

All-Round

Ultrasol® MKP, as a P and K source, allows free selection of the appropriate nitrogen source as well as easing the application of P and K at crop stages when no nitrogen is desired.



IDEAL PK SOURCE FOR FERTIGATION AND FOLIAR APPLICATION

Fertigation

As a nitrogen free nutrient source, **Ultrasol® MKP** is the perfect instrument for managing the vital balance of N with P and K sources in fertigation programmes, both for soil-grown crops and hydroponic systems. Used mainly as a P source, **Ultrasol® MKP** will provide part of the K supply, while the nitrogen source and quantity can be freely selected depending on crop, crop stage and cultivation system. N supply can also be limited in crop stages when N is not desirable, such as fruit-ripening stages in some crops. In addition, application of **Ultrasol® MKP** poses no problems under saline or alkaline conditions due to its low EC value.

All these features make **Ultrasol® MKP** a versatile water-soluble fertilizer that can be used in any cultivation system. **Ultrasol® MKP** offers many opportunities in intensive horticulture that were previously unattainable. For hydroponics, the most intensive and sensitive cultivation technique, **Ultrasol® MKP**, as an ammonium-free nutrient source, is even more important.

Foliar Application

Due to very low risk of leaf burning (low EC-value and osmotic pressure), its wide compatibility with pesticides, and its stable pH, **Ultrasol® MKP** can be applied at high concentrations as a foliar plant nutrient source.

Foliar application of **Ultrasol® MKP** is an excellent way of supplying additional phosphorous and potassium during critical physiological or environmental conditions. Furthermore, several crop-specific actions of foliar applications of **Ultrasol® MKP** have been established as a result of extensive research all over the world, e.g. on citrus, mango, potato, olive, etc.

PROPERTIES OF ULTRASOL® MKP



ULTRASOL® MKP SPECIFICATIONS

Phosphorous Pentoxide (P ₂ O ₅)	52 %
Phosphorous (P)	22,7 %
Potassium Oxide (K ₂ O)	34 %
Potassium (K)	28,2 %
Solubility (20 °C)	230 g/l water
Insolubles	< 0,1
EC (1 g/l at 25 °C, in mS/cm)	0,7
pH (1 % solution)	4,5
Form	Crystalline, odourless
Colour	White

Ask your local SQM agronomist for a Specialty Plant Nutrition programme in accordance with your local needs and requirements.

DISCLAIMER

All information is given to the best of SQM's knowledge and is believed to be accurate. Your conditions of use and application of the suggested products and recommendations are beyond our control. There is no warranty regarding the accuracy of any given data or statements. SQM specifically disclaims any responsibility or liability relating to the use of the suggested products and recommendations and shall under no circumstances whatsoever, be liable for any special, incidental or consequential damages which may arise from such use.