



THE WORLDWIDE BUSINESS FORMULA

Ultrasol[®] SOP 52



Ultrasol[®] SOP 52 is a fully water-soluble K source without nitrogen for the final phase of the growth cycle. Its acidic pH helps to prevent blockage of nozzles and drip lines of irrigation 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

KEY ADVANTAGES OF ULTRASOL® SOP 52

High Purity

Ultrasol® SOP 52 is free of chloride, sodium and heavy metals.

Fully Soluble

Ultrasol® SOP 52 is a free-flowing crystalline powder that quickly dissolves in water.

Compatibility

Ultrasol® SOP 52 can be mixed with all water-soluble fertilizers other than calcium-containing products.

Flexibility

The high concentration of potassium and the absence of nitrogen and phosphate enable the correct quantity of potassium to be supplied at any stage. Ultrasol® SOP 52 can be combined with N, P or NP sources according to crop needs.

Low pH

In alkaline soils, Ultrasol® SOP 52 lowers the pH in the rhizosphere, helping to improve availability of phosphates and certain trace elements. In drip irrigation solutions, it helps to reduce the pH of the irrigation water.



THE FLEXIBLE K IN FERTIGATION

Fertigation

In fertigation, accurate control of the supply of every nutrient is a key to nutrient management. Ultrasol® SOP 52 is a chloride-free, water-soluble product, the only potassium source that also provides the crop with sulfur, an essential secondary nutrient. As it is free of other macronutrients, Ultrasol® SOP 52 is a useful tool that allows the application of potassium at the requested levels at any growing stage.

Ultrasol® SOP 52 is an excellent nutrient source to provide part of the potassium requirement. Take care not to exceed the sulphate needs of the plant, thus avoiding excess.

It can be combined with any nitrogen source according to crop requirement, controlling the K/N ratio as desired.

In drip irrigation systems on alkaline soils, the low pH of Ultrasol® SOP 52 contributes to a slight acidification of the zone surrounding the roots (rhizosphere), enhancing the availability of phosphate and micronutrients present in the soil.

In hydroponics, Ultrasol® SOP 52 is used as sulfate source for crops that demand high sulfur.

PROPERTIES OF ULTRASOL® SOP 52



ULTRASOL® SOP 52 SPECIFICATIONS

Potassium Oxide (K ₂ O)	52 % (min)
Potassium(K)	43,2 % (min)
Sulphate Oxide (SO ₄)	54 %
Sulphate(S)	18 %
Solubility (20 °C)	70 g/l water
Insolubles	< 0,06
EC (1 g/l at 25 °C, in mS/cm)	1,54
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.