



**PRODUCT INFO
& DATASHEET**

“SOLUPOTASSE”

Potassium Sulphate (SOP), 51% K₂O + 18% S

WATER SOLUBLE POWDER - Origin: Belgium

PRODUCT INFORMATION

Solupotasse®, T.C.’s, soluble Potassium Sulphate is recommended for use in all kinds of fertirrigation systems and for foliar applications. It is also used as a raw material for soluble fertiliser manufacturing. Besides the main characteristics of SOP, Solupotasse® offers important benefits such as:

-Highly soluble:

The dissolution speed of Solupotasse® is very high compared to standard SOP. At the recommended practical concentration of 100 g/l (10%), it only takes a few minutes to dissolve with virtually no insoluble residue left.

- Low pH:

In alkaline waters, Solupotasse® lowers the pH of the solution, thus reducing the clogging of drippers and keeping clean micro-irrigation systems. It also improves availability of phosphorus iron and certain micronutrients to the plant.

- Compatible:

Solupotasse® is compatible with most other fertilisers except those containing calcium, which causes precipitation of CaSO₄ (Gypsum). Solupotasse® is also compatible with most pesticides and fungicides for foliar applications.

- Quality and yield boosted:

Solupotasse® brings potassium and sulphur in a readily available form to the plant. Potassium uptake is often very high, during fruit or vegetable formation and growth. Frequent application of Solupotasse® is highly recommended after fruit setting, to enhance the quality of the harvest.

CHEMICAL DATA

		Typical analysis	Method of analysis
K ₂ O	%	51.0	Potentiometric
Cl	%	0.6	Potentiometric
H ₂ O	%	0.005	Gravimetric
SO ₄	%	56.0	Ion chromatography
pH 1% solution		2.7	Potentiometric
Insol. H ₂ O	%	0.2	Gravimetric
Ca	ppm	450	Atomic absorption
Mg	ppm	600	Atomic absorption
Fe	ppm	150	Atomic absorption
Na	%	0.6	Atomic absorption

PARTICLE SIZE DISTRIBUTION

		Typical analysis	Method of analysis
> 0.300 mm	%	8	Sieve analysis
< 0.125 mm	%	50	
> 0.125 mm	%	50	

TYPICAL PHYSICAL PROPERTIES

Bulk density:	Struck	1.40	Gravimetric
	Loose	1.10	Gravimetric
Angle of Repose:		40°	Physical test
Solubility at 25° C		120 g in 1000 ml H ₂ O	Gravimetric
		<u>Temperature</u>	<u>Stirring time</u>
Residues (%) in relation to water temperature and stirring time (25g product in 500 ml of water)		25° C	10 min
			<u>Residues</u>
			0.11 %

*Solupotasse® is a registered brandname of T.C.

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SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

