



PSF-CI05

Product Data Sheet

Item number: 60-033

General Information

Sulphate of Potash 51 (+45)

51 % K₂O, water-soluble potassium oxide (=42.3 % K)

45 % SO₃, water-soluble sulphur trioxide (=18 % S)

PSF-CI05 is a highly concentrated potassium and sulphur fertilizer with reduced chloride content used for the manufacture of compound fertilizers and also suitable for fertigation. For optimum dissolution **PSF-CI05** should be added under stirring to the respective solution (water, nutrient solution). In order to prevent possible nozzle blockage in irrigation systems it is recommended to use filters or to decant the solution once insolubles have settled.

The product is made from crude potassium salt of natural origin and is permitted for use in organic farming according to the Regulations (EC) No 834 / 2007 and (EC) No 889 / 2008.

Chemical Analysis

Parameter	Unit	Typical value
Potassium Sulphate (K ₂ SO ₄)	%	95.5
Other Sulphates (MgSO ₄ , CaSO ₄)	%	2.6
Chlorides (KCl, NaCl)	%	0.8
Others, mainly Water of Crystallization	%	0.9
Moisture	%	0.2

Granulometry

Parameter		Unit	Typical value
Tyler Mesh +20	> 0.85 mm	%	1
Tyler Mesh 32 – 20	0.5 – 0.85 mm	%	3
Tyler Mesh 60 – 32	0.25 – 0.5 mm	%	12
Tyler Mesh 100 – 60	0.15 – 0.25 mm	%	22
Tyler Mesh 170 – 100	0.09 – 0.15 mm	%	29
Tyler Mesh -170	< 0.09	%	33
SGN		%	12

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Storage

Parameter	Unit	Typical value
Bulk Density	kg / m ³	approx. 1,300
Bulk Density	lbs / ft ³	approx. 81
Bulk Density (packed)	kg / m ³	approx. 1,470
Bulk Density (packed)	lbs / ft ³	approx. 92
Angle of Repose	°	approx. 34

The product is to be kept dry and covered with a plastic tarpaulin to protect from moisture. Where bulk product is stored, steel joists and columns should be protected from corrosion, as well as the floor and the walls should be furnished with a protective coating. Wooden walls and roof girders have proved to be particularly durable.