

PSF-CI05-CR Product Data Sheet

Item number: 60-036

General Information

Sulphate of Potash 52 (+45)

52 % K₂O, water-soluble potassium oxide (=43.2 % K)

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

PSF-CI05-CR is a concentrated potassium and sulphur fertilizer with improved handling and spreading characteristics due to the crystalline structure. It is particularly recommended to increase yield and quality of tobacco and other chloride sensitive crops e.g. vegetables and fruits. Moreover **PSF-CI05-CR** is the preferred form of potassium for salt affected soils because it is virtually free of chloride and has a low salt index.

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)	%	97.1
Other Sulphates (MgSO ₄ , CaSO ₄)	%	1.7
Chlorides (KCl, NaCl)	%	0.6
Others, mainly Water of Crystallization	%	0.4
Moisture	%	0.2

Granulometry

Parameter		Unit	Typical value
Tyler Mesh +20	> 0.85 mm	%	4
Tyler Mesh 32 – 20	0.5 – 0.85 mm	%	23
Tyler Mesh 60 – 32	0.25 – 0.5 mm	%	42
Tyler Mesh 100 – 60	0.15 – 0.25 mm	%	18
Tyler Mesh -100	< 0.15 mm	%	13
SGN		%	36

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Storage

Parameter	Unit	Typical value
Bulk Density	kg / m ³	approx. 1,500
Bulk Density	lbs / ft ³	approx. 94
Bulk Density (packed)	kg / m ³	approx. 1,650
Bulk Density (packed)	lbs / ft ³	approx. 103
Angle of Repose	°	approx. 30

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.