



Soil supplement Super Absorbent Polymer (SAP)

Technical Data Sheet

Physical and chemical specification :

Identification	Cross-linked copolymer of acrylamide and potassium acrylate
CAS #	CAS #31212-13-2
Appearance	White granules
Humidity	2-3%
Bulk Density	1.2 g/m ³
pH (1g/L of water)	6 - 7
Solubility	Insoluble in aqueous solution
Particle size	2-5 mm 61%, 1-2mm 20%, 1mm19%
Storage stability	7 years when stored in closed containers in a dry place
Total water absorption capacity g/g	200-500 g of water/g of SAP
Toxicity in soil	Nontoxic under normal condition
Dosage	0.5%-1% w/w for blending in to soil / 25-40 Kg per hectare for field applications
Packaging	25 Kg in moisture resistant polypropylene lined paper bags