

# STOCKOSORB® 500

## Technical Data Sheet

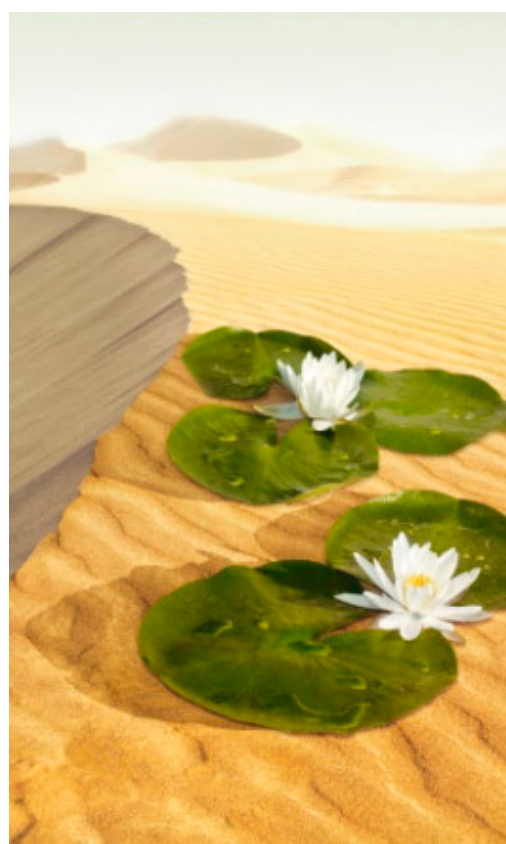
### Water and nutrients for improved plant growth

Physical Properties    500 XL  
                                   500 Medium  
                                   500 Micro  
                                   500 Powder

<b>Basis</b>	Crosslinked acrylamide / acrylic acid copolymer, potassium salt
<b>Appearance</b>	free flowing white granules
<b>Particle Size Distribution [mm]</b>	500 XL        2.0 - 4.0 500 Medium 0.8 - 2.0 500 Micro    0.2 - 0.8 500 Powder < 0.2
<b>Bulk Density [g/l]</b>	500 XL        510 ± 50 500 Medium 620 ± 40 500 Micro    620 ± 40 500 Powder 600 ± 20
<b>Solubility</b>	insoluble in water and organical solutions; swells to a gel upon contact with aqueous fluids
<b>pH-Value (1g/l H<sub>2</sub>O)</b>	7.0 - 8.0
<b>Maximum Absorption &gt; Free swelling conditions &lt;</b>	
1) 0,125% NPK 14-12-14 2MgO	> 150 mL/g
2) Tap Water (hardness grade 4)	> 100 mL/g
3) Synth. soil solution	> 60 mL/g
<b>Absorption Against Soil Pressure &gt;Use conditions in soil at 20 cm depth &lt;</b>	
1) 0,125% NPK 14-12-14 2MgO	> 80 g/g
2) Tap Water (hardness grade 4)	> 30 g/g
3) Synth. soil solution	> 20 g/g

### General Information

STOCKOSORB® Soil Conditioner increases the utilizable water holding capacity of soils and potting mixes. By applying STOCKOSORB® the frequency of irrigation, as well as the leaching of valuable nutrients are reduced. Plant growth is improved and water can be saved.



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<b>Water available for plants</b>	> 95 %
<b>Toxicology / Ecology</b>	non toxic for plants, soil organism and ground water according to OECD - Test
<b>Residual Monomers [mg/kg]</b> <b>Acrylic acid</b> <b>Acrylamide</b>	< 600 < 25

### Packaging

STOCKOSORB® 500 is available in the following packaging:

Container	Volume
Paper bags with two layer of polyethylene inliners	25 kg bag 1000 kg pallet (40 x 25 kg)

### Storage Stability

STOCKOSORB® 500 can be stored in closed packaging under dry conditions and ambient room temperatures.

**Please contact us for any further information**

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### Legal References

This information is based on our careful investigations and experiences but represents non-binding consultation and does not relieve you of the obligation to investigate our results and procedures for their applicability to your own use. This applies with regard to safeguarding the patent rights of third parties. We reserve the right to modify the information given here on the basis of further technical development of the product. Status: January, 2005

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