

## AQUAKEEPER M

**Aquakeeper M** is crosslinked copolymer of acrylamide and potassium acrylate work as water retainer polymer, that when incorporated into a soil or substrate absorbs and retain large quantity of water and nutrient. Unlike most products that become hydrated, Aquakeeper M has the property of easily releasing

- Enhances plant growth. Water and nutrient are continuously available in the root zone for optimal absorption by the plant
- Protect the environment against drought and ground water pollution

### TYPICAL PROPERTIES

Appearance of the product	Dry = white powder Hydrated = transparent gel
Specific weight	0.8 - 1.1 g/cm <sup>3</sup>
% Solid	87% minimum
Absorption (60% of capacity)	20 – 40 minutes
Absorption capacity in deionized water	500 max (g/g)
Cationic Exchange Capacity	300 meq/100gr minimum
Effectiveness in soil	2 years
Particle size (mm)	0.5 – 1.3
pH	4 – 10
Irritation to skin	Not irritation
Storage temperature	0 – 35°C
Storage Stability	5
Dry product (years)	

### ADVANTAGES

- Economical to use - many hundreds of times its own weight in water as crystals swell to form a rigid gel
- Increase water holding capacity for several years
- Limit losses of water and nutrient due to leaching
- Controlled release of water once the crystals have been swollen
- Improves the physical properties of compact soil through good aeration

### APPLICATION

Aquakeeper M can be applied dry or pre-hydrated at nursery, reforestation, transplanting, transporting, horticulture, lawn and sod, hydro-seeding, bare root dipping, mixing with fertilizer, animal litter, floral decoration, etc.

If the product is hydrated before used, slowly pour the product into water. Stirring lightly will prevent the fine particles from clumping.

The higher the water temperature, the faster the absorption of water by Aquakeeper M. Aquakeeper's water absorption capacity depend on water quality.

### HANDLING & TOXICITY

The product should be stored in a cool dry place to maximize shelf life. Although the product is essentially non-toxic, proper plant housekeeping procedures should be maintained and intimate contact with the product avoided. The use of protective clothing, dust mask and safety goggles are recommended. When spilled the product can be very slippery. If spilled, remove by scooping up the spillage as much as possible and washing the area with copious amounts of water.

For further information, consult the MSDS.

These data are given for information only. They do not constitute a specification and no liability is assumed, nor freedom from any existing patents.