

# NON TOXIC, BIODEGRADABLE, WATER MODIFIER

## CYNDAN\*

# WATER SPONGE CRYSTALS

AUSTRALIA is a very dry continent and water is a valuable resource. Due to this need and in concert with other chemical research into water economy products Cyndan has formulated Water Sponge Crystals.

## HIGH ACTIVE, COMMERCIAL GRADE, WATER RETAINER AND CONSERVER

### Agricultural and Horticultural Applications

The chemical key to unlocking a Drought – **Cyndan Water Sponge Crystals**.

Reduces water costs, captures, holds and stores water in the soil so that plants can use it when required.

**Cyndan Water Sponge Crystals** are biodegradable, yet they will store water for up to 5 years and provide water to plants even when the soil is dry and as the plant requires it.

Use as little as 1-3 gms per square metre of soil or 10 litres of potting mix. The amount required will vary according to site specifics such as water, soil makeup, and type, pH and the current water content of the soil etc. **Cyndan Water Sponge Crystals** are active for up to 5 years and are activated each time they come in contact with water.

Suitable for golf courses, bowling greens, field crops, orchards, farming pastures, playing fields, garden and planter beds, pots and pasture soils.

### IDEAL FOR ABSORBING SPILLS OF ...

Blood • Urine  
Paint • Sewage  
Waste water • Weedicides  
Any water-based spills  
On any surface including liquid spills on carpet

## Industrial Waste Water Modification

**Cyndan Water Sponge Crystals** can be used at construction, and excavation sites or other industrial facilities as a modifier for wastewaters, surplus soil with high water content, effluents, contaminated industrial liquid wastes, slurries, sludges etc.

Ideal for construction sites with plumbing problems such as broken mains, flooded excavations.

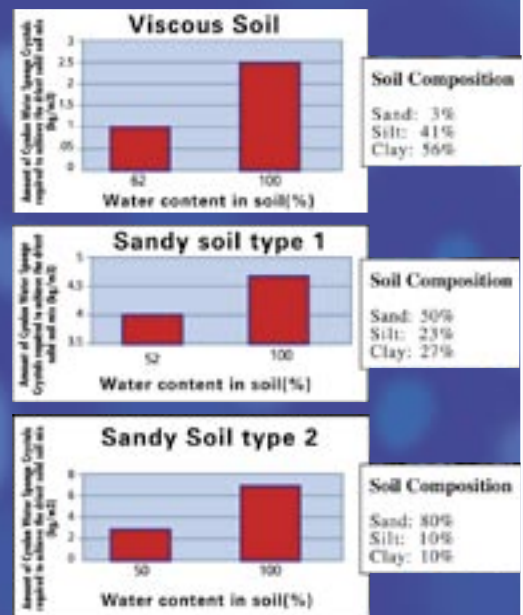
Effluent treatment is an ideal application for **Cyndan Water Sponge Crystals** as they will modify the water in dewatering sludge pits, and settling ponds etc.

### PROPERTIES

- Cyndan Water Sponge Crystals** can modify (thicken) high water content surplus Soil and Wastewaters at very low concentrations.
- Using **Cyndan Water Sponge Crystals** can save time for Soil /Wastewater treatment. Sufficient modification can be achieved after 1 to 5 minutes of mechanical mixing, or 10 minutes of mixing with a regular backhoe.
- Cyndan Water Sponge Crystals** stabilize or modify Soil /Wastewater by binding free water and preventing it from retaining liquid form, even in cases of contact with more water or other liquids.

### APPLICATION METHODS

- The amount of **Cyndan Water Sponge Crystals** required varies according to the type of environment, water content of soil, pH etc. Standard recommended dosage is 0.1-1kg / m<sup>3</sup>.
- Cyndan Water Sponge Crystals** should be evenly dispersed (sprayed) over the surface of soil / wastewater before mixing.
- Approximate addition amounts for different types of soils is shown in graphs opposite.
- Cyndan Water Sponge Crystals** can also be used for soils / water with high content of organic compounds (humic matters etc).



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## CYNDAN CHEMICALS

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