

# Preparation Instructions

## Simple Preparation

Add 1 ounce of the dry Water-Gel Crystal granules to approximately one gallon of water and leave to swell for about eight hours. During this time the granules absorb the water and increase their weight by approximately 400 times.

Please Note: The softer the water the more the gel will swell. Next, use a sieve to strain off the surplus water and allow the gelatinous mass to dry for at least two hours. This helps to avoid a build-up of water in the bottom of the glass container. Now put the Water-Gel Crystals into a glass container and add plants or candles, finished! You will notice that even a ordinary glass turns into a small wonder at the touch of your hands.

## Want Smaller Amount

1 teaspoon of the Medium or Large Crystal polymer will absorb approximately 1 cup of water. Just place the crystals in a large bowl and add water. Wait 30 minutes and you will have beautiful ice looking crystals. Adding food coloring to the water before mixing will color the crystals to the color of the water absorb. If you want to add fragrance to your crystals, add a water-based fragrance (not oil-based).

## Amazingly Versatile

Range of application: It is recommended to use plant varieties which are not too sensitive to water. Remove the young plants from their soil or hydroponics medium. Clean the roots thoroughly before planting them in the Water-Crystal Gel. Transfer side shoots directly into the Water-Gel. Because of the high rate of success they do not need to be left to root first in a glass of water. Water-Crystal Gel is now available in 4 sizes: fine powder (0.2-0.8 mm), small (0.8-1 mm), medium (1-2 mm) and large (2-4 mm) blends.

## Economical Watering

Plants in Crystal's Polymer Gel can survive for several weeks without regular watering without coming to any harm. You will notice with time that the volume of your Crystal Polymer Gel diminishes. The reasons for this are the plant's water requirements, exposure to light and surface evaporation. Further watering will cause the Crystal Polymer Gel to swell up again. When dirty, the gel can also be cleaned. Remove the plant and if necessary cut back the roots. Then rinse the gel repeatedly using distilled water. Crystal's Polymer Gel regenerates itself each time it comes into contact with water. Avoid build-up of water, do not place Polymer Gel directly on a radiator and do not leave it for long periods of time in direct sunlight. Exposure to light, especially sunlight, and repeated drying cycles hastens premature degradation.

## Coloring and Dyeing Polymer Gel

Polymer Gel can be colored (dyed) using food or icing color, available at most grocery and craft stores. Add slowly and stir until desired color is achieved. To change color soak overnight and repeatedly rinse with water until clean. Drain well for 1/2 hour. Recolor.

## Odors and Discoloration

If the polymer gel develops a discoloration or odor (the polymer becomes contaminated), clean polymer gel using distilled water. Rinse repeatedly until clean. Cover with distilled water and let stand overnight. Drain and re-rinse once again with distilled water.

## **Biodegradable**

Length of life for decorative purposes (because of exposure to light) is approximately 1-2 years. When mixed in soil it serves for approximately 7-9 years as a source of moisture and helps to improve the quality of the soil. It can be disposed of with normal household rubbish. Crystal's Polymer Gel is non-toxic and ecologically neutral. It breaks down after its useful working life to CO<sub>2</sub>, water and nitrogen. Although non-toxic, it should not be consumed in either its granule or its gel form. Various reports from Co-operative Extension Services and Agricultural Universities indicate that polyacrylamide is a source of nitrogen for some crops and recommends it as a beneficial soil amendment.

### **100% Satisfaction Guarantee**

If this product fails to meet your satisfaction, simply return any unused crystals to:

CRYSTALS, 10317 Vigilante Trail, Converse, Texas 78109-1701

### **CAUTION -- Crystal's Polymer Gel is extremely slippery when spilled.**

Never flush or pour polymer crystals or gel down the drain. Polymer swelling could possibly clog drain pipes.

To dispose of used polymer crystals or polymer gel simply pour into flower beds, garden or mix with potting soil.

Crystal Polymer Gel is a non-toxic polymer that will not harm your plants, grass or soil. While Crystal's Polymer crystals and polymer gel is a non-toxic polymer it still should not be eaten in either its dry crystal granule form nor its wet gel form.

### **Use of polymer crystals or polymer gel by children should be with ADULT SUPERVISION only**

**6 teaspoons of crystals = 1 ounce of dry Polymer Crystals**

**1/4 cup of crystals = 2 oz. of dry Polymer Crystals**

**1 teaspoon (medium or large) crystals will absorb approximately 1 cup water**

**1 ounce of dry crystals will make a full gallon of WET Gel Crystals**