



## **PERMIT FOR SUPPLYING UNREGISTERED CHEMICAL PRODUCT**

### **Explanatory note:**

Hydrogel Aquatic Herbicide Additive (“the product”) is represented as a herbicide additive specifically developed to overcome issues associated with the control of submerged aquatic weeds. Hydrogel contains Guar Gum as its active constituent. Guar Gum is a listed food additive that is present in many foods as a stabiliser and thickener.

Recently, Bettersafe Pest and Weed Management (“the applicant”) made an application under section 10 of the Agvet Code to register the product. However, before the APVMA can consider the application to register the product it must first resolve the matter regarding whether the product is actually an agricultural chemical product (or “pesticide”) as defined in the Agvet Code. If the product is deemed a pesticide, the APVMA must also establish the appropriate application and data requirements that are appropriate for this product.

This permit has been issued to allow the applicant the opportunity to supply the product and for the product to be used (as per label instructions) whilst the APVMA resolves matters regarding whether the product is a pesticide, and if it is a pesticide, what are the appropriate data requirements to satisfy the APVMA that such a product would comply with the relevant matters in section 14 of the Code. Resolution of these matters by the APVMA should not result in delays that would unfairly disadvantage the commercial opportunities available to the applicant.

The APVMA is also satisfied that due to the nature of the product, use of the product under this permit would not pose an unacceptable risk to the safety to humans or to the environment.

If this permit were not issued, custody, supply or use of the product would constitute an offence.

### **PERMIT NUMBER 11030**

This permit is issued to Bettersafe Pest and Weed Management under section 114 of the Agvet Codes for the period commencing 8 September 2008 until midnight on 7 September 2010.

This permit authorises persons generally to do the following things with the product known as Hydrogel Aquatic Herbicide Additive (“the product”) having Guar Gum as its active constituent:

- a) Have in their possession or custody for the purposes of supply the product, to the extent that such possession or custody would be an offence under section 75 of the Agvet Codes.
- b) Supply or cause or permit to be supplied, the product with a label similar to that in Attachment 1 firmly secured to a container for the product to the extent that such supply, causation or permission would be an offence under section 78 of the Agvet Codes.
- c) Promote the product in a manner that is consistent with this permit; and
- d) Use the product in accordance with the instructions on the label in Attachment 1.

DATED: 8<sup>th</sup> day of September 2008.

Issued by:

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Dr Raj Bhula  
Program Manager  
Pesticides Program

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



**AQUATIC**  
**HERBICIDE ADDITIVE**  
**ACTIVE CONSTITUENT: 500g/kg GUAR GUM**



**For the specialist control of submerged aquatic weeds**  
**2 Kilos**

**ALWAYS READ THE LABEL AND USE ONLY AS DIRECTED**

**Distributed by Hydrogel Australia Head Office**  
**33 Lagonda Drive Ingleburn 2565 98291366**  
**Emergency contact 0414618157**  
**Email [peter@bettersafe.com.au](mailto:peter@bettersafe.com.au)**

**Hydrogel** is a new herbicide additive specially developed to overcome issues associated with the control of Submerged Aquatic Weeds. It is heavier than water and sinks when applied to lakes, ponds and watercourses. It penetrates thermal layers and is less subject to drift than water based herbicides.

**Hydrogel** reduces the amount of herbicide to be used as much as 80% compared with conventional application techniques. As it targets the submerged aquatic weed, less herbicide is used for effective control and because it is a gel application there is less drift of the incorporated herbicide.

**Hydrogel Mix** is most active against undesirable broadleaf aquatic weeds and least active against certain desirable native plants. It also breaks down rapidly in natural water and presents no hazard to fish life when used as recommended. Because of the chemical properties of the gel, Hydrogel sticks to submerged aquatic plants. This means the active ingredient, which is added to **Hydrogel** prior to application remains in the target zone, ensuring optimum herbicidal activity. Independent studies show **Hydrogel** is highly effective and ecologically kind, and is an ideal herbicide carrier for the control of submerged weeds.

**Hydrogel** is not sold as a ready to use formulation. **Hydrogel** is blended with water to create a gel formulation and then mixed with Diquat Reglone ® to give a 50/50 Mix.

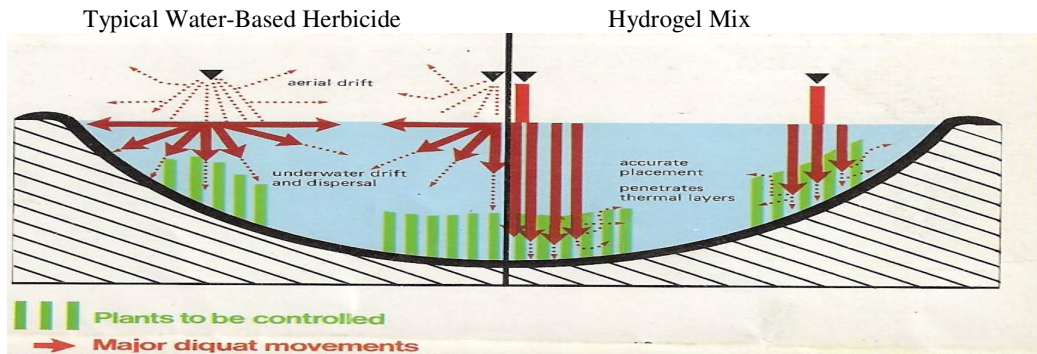
**Hydrogel** is most effective in clean water and should not be applied when water is turbid or when suspended organic matter is over 1ppm.

**Timing**

Best results are achieved when treating lakes and ponds under calm conditions. The time of year has less influence on efficiency than weather conditions at the time of spraying

While summer treatment results in more rapid destruction of plant growth, it also creates water oxygen “sag” as plant material decays. Because of the effect this sag has on fish, only treat a quarter of the area at one time when summer treating. Larger areas may be treated at one time in winter because of slower plant decay and higher winter oxygen levels.

If high levels of suspended organic matter are a problem during summer, in this situation winter application is preferable **Hydrogel Mix** may be applied using a knapsack or pressure spray, because of the viscosity of Hydrogel may vary with temperature, it is important to calibrate application equipment before each use, at least until experience has been built up in the use of this product.



**HYDROGEL**

**TAILOR-MADE FOR SUBMERGED AQUATIC WEED MANAGEMENT**

Dilute water-based herbicides suffer drift problems (both aerial and in the treated water). They also tend to disperse away from the Target plants. In Deeper lakes and ponds, there are often thermal layers, which water-based herbicides cannot penetrate.

All these problems are overcome by the Hydrogel Additive, which penetrates thermal layers, minimizes drift and adheres to undesirable plant growth, which it then destroys.

**CAUTION\_ BEFORE USING HYDROGEL READ LABEL THOROUGHLY**

**DO NOT USE FOR OTHER THAN THOSE SPECIFIED ON THE LABEL**

**DIRECTIONS FOR USE : ALL STATES**

**RESTRAINTS DO NOT USE FOR POTABLE WATER**

Situation	Weeds Controlled	Rate	Critical comments
Aquatic areas (drains, channels, margins of streams lakes and dams)	Egeria Ceratophyllum Submerged Aquatic Pond Weeds	250grams in 10 litres water 10 litres Reglone per 10 litres gel mix	Apply directly to the water body and weeds to be controlled it is important to target weeds directly as no drift from the target plant will occur

**DO NOT USE FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**STORAGE AND DISPOSAL**

Store Hydrogel in the closed original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

Triple rinse container before disposal and add rinsing to spray tank.

The required amount of Hydrogel for any treatment should be mixed with the herbicide for the area to be treated.

If conducted correctly, there should be no unwanted Hydrogel after a treatment of a water body.

Crush and dispose of packaging in suitable local authority landfill. Empty product containers should not be burnt.

**SAFETY DIRECTIONS**

May irritate eyes and skin, Avoid contact with Eyes and Skin. DO Not inhale spray mist. If product on Skin, immediately wash area with soap and water, If in Eyes wash out immediately. If Clothing becomes contaminated with wet with spray, remove Clothing Immediately After Use and before eating drinking or smoking wash hands arms and face thoroughly with soap and water.

**FIRST AID**

If poisoning occurs, contact a Doctor or Poisons information centre (Phone 131126)

If swallowed do not induce vomiting, Give a glass of water.

Material Safety Data Sheet available from the Manufacturer and or Supplier [www.hydrogel.com.au](http://www.hydrogel.com.au)

**NON FLAMMABLE**

**CAS NO 9000-30-0**

**IN AN EMERGENCY DIAL 000  
POLICE OR FIRE BRIGADE**

**Mixing Rate**

Hydrogel and "Reglone" (diquat) for handgun aquatic weed control in freshwaters in Australia is as follows:

- Mix 250g of Hydrogel with 8 litres of clean water
- Stir well using a paint - mixing drill or similar
- When the mixture has gelled (10-15 minutes), add another 2 litres of water and mix well again.
- Do not add more Hydrogel powder.
- Add 10 litres of Reglone® herbicide and continue mixing with paint drill until the mixture has gelled (about 5-10 minutes)
- You should get 20 litres of Hydrogel Reglone® mix from this.
- Spray from a knapsack using spray gun using a coarse spray or stream. The No. 6 nozzle tip is recommended.
- Spray weed in 1 metre strips
- For boom application and or Helicopter application. Ensure correct calibration. Equipment is required to apply 60 litres per Hectare, apply using large flat fan nozzles that provide droplets as this product will not spray through fine nozzles due to its composition

Coverage should be at a standard rate of 60 litres of Hydrogel/Reglone mix per hectare.

**CONDITIONS OF SALE**

**Hydrogel Australia shall not be liable for any loss injury damage or death whether consequential or otherwise in connection with the sale supply use or application of this product.**

**The supply of this product is on the express condition that the purchaser does not rely on Hydrogel Australia's skill in purchasing or using the same, and every person dealing with this product does so at his own risk absolutely. No representative of Hydrogel Australia has any authority to add to or alter these conditions**

**SPECIALIST ADVICE**

**0414618157**