

Product Name: MAGNACIDE H HERBICIDE
APVMA Approval no: 45654 / 125763A



Label Name:	MAGNACIDE H HERBICIDE
-------------	-----------------------

Signal Headings:	DANGEROUS POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
------------------	---

Constituent Statements:	950 g/kg ACROLEIN
-------------------------	-------------------

Mode of Action:	GROUP I HERBICIDE
-----------------	-------------------

Statement of Claims:	A WATER SOLUBLE HERBICIDE FOR USE IN WATER TO CONTROL SUBMERSED WEEDS IN IRRIGATION CHANNELS Restricted Chemical Product – Only to be supplied to or used by an authorised person
----------------------	--

Net Contents:	168kg 26kg
---------------	---------------

Restraints:	DO NOT USE THIS PRODUCT IN THE HOME GARDEN. Do not use water from treated channels for domestic or recreational purposes within 48 hours after the injection of MAGNACIDE H Herbicide has ceased.
-------------	--

Directions for Use:	This section contains file attachment.
---------------------	--

Other Limitations:	NOTIFICATION TO ALL PERSONS, WHO MAY USE WATER TREATED WITH THIS PRODUCT FOR STOCK OR DOMESTIC PURPOSES, MUST BE CARRIED OUT AT LEAST 2 DAYS PRIOR TO TREATMENT AND BE IN ACCORDANCE WITH ANY LOCAL AUTHORITY SPECIFICATIONS.
--------------------	---

Withholding Periods:	
Trade Advice:	
General Instructions:	This section contains file attachment.
Resistance Warning:	<p>The active constituent in MAGNACIDE H Herbicide is a member of the aldehyde chemical group. Its mode of action is as a general cell toxicant, which reacts with various vital enzyme systems. For weed resistance management, the product is a Group I herbicide.</p> <p>Some naturally occurring weed biotypes resistant to the product and other Group I herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or Group I herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Baker Petrolite accepts no liability for any losses that may result from failure of this product to control resistant weeds.</p>
Precautions:	<p>Re-entry Period: Do not allow persons using the treated water for irrigation to contact treated water within the first 100 metres of the application point:</p> <ol style="list-style-type: none"> 1. During the time of application, and 2. For one hour post-treatment.
Protections:	<p>PROTECTION OF LIVESTOCK Do not allow stock access to treated water for 48 hours after the injection of MAGNACIDE H Herbicide has ceased.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT This product is toxic to fish and wildlife. Keep out of lakes, rivers, streams or ponds. Fish, shrimp and other aquatic species will be killed at application rates recommended. Do not apply where commercial aquatic operations may be affected. Do not apply to or allow water contaminated with the product to enter water drainage areas where runoff or flooding will contaminate ponds, lakes, rivers, streams, tidal marshes and estuaries.</p> <p>Water treated with MAGNACIDE H Herbicide may be used for irrigation at any time. If treated water is to be used for other purposes, do not release it from the treated channels for at least 48 hours after an injection of MAGNACIDE H Herbicide has ceased. Regardless of use, treated water must remain on-farm or in the irrigation channel for a total of 72 hours from the time an injection of MAGNACIDE H Herbicide has ceased.</p> <p>Note: To minimize tailwater generation, treated water should not be used to irrigate soil that is at field capacity.</p>
Storage and Disposal:	Store container in a locked enclosure away from children, animals, food, feedstuffs, seed and fertilisers. Store away from all other chemicals. No alkalis or oxidizing materials must be near. Any electrical equipment must be Class 1 – Division 2 and properly grounded.

Do not dispose of undiluted chemical on site. Do not burn empty container or product. Empty containers must have all valves closed and secured (locked) prior to transport to the point of supply for return to Baker Petrolite.

EXPIRY DATE OF PRODUCT

The contents of this container should be used within 15 months from the date of filling as indicated by the stencil on this container.

Safety Directions:	Very dangerous, particularly the concentrate. Poisonous if absorbed by skin contact, inhaled or swallowed. Will irritate the eyes, nose, throat and skin. The liquid can cause burns. Attacks eyes. Avoid contact with eyes, skin and clothing. Do not inhale vapour. Open container in the open air. Seal container tightly. Protect eyes while using. When opening the container and pouring large quantities and using the product wear cotton overalls buttoned to the neck and wrist, a washable hat. PVC or rubber apron, elbow-length PVC gloves, impervious footwear and full facepiece air-purifying respirator with combined dust and gas cartridge or canister. If clothing becomes contaminated with product remove clothing immediately. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash respirator (if rubber wash with detergent and warm water), gloves and contaminated clothing. Do not re-use footwear until thoroughly aired.
--------------------	---

First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. If poisoning occurs get to a doctor or hospital quickly. Give activated charcoal and keep patient quiet, in a dark place if possible. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Do not give direct mouth-to-mouth resuscitation if swallowed. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
-------------------------	---

First Aid Warnings:	
---------------------	--

Directions for Use

For use in all States and Territories

Situation	Weeds	Rate	Critical Comments
Water in Irrigation Channels	All Submersed and Floating Weeds and Algae. Commonly occurring examples are: Anabaena circinalis (bluegreen algae) Chara spp. (stoneworts) Spirogyra spp. (filamentous green algae) Elodea canadensis (water weed) Potamogeton foliosus (leafy pondweed) P. ochreatus (blunt pondweed) P. pectinatus (sago pondweed) Vallisneria gigantean (ribbonweed)	Up to 15 ppm applied over application times ranging from 30 minutes to 8 hours	Dosages of MAGNACIDE H Herbicide are based on the amount of aquatic weed present and rate of water flow. Users must consult the MAGNACIDE H Herbicide Australian Application and Safety Manual and follow the directions that it contains for the particular application method, time and concentration relevant to their situation. All typical submersed aquatic weed species and algae appear to be susceptible.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

GENERAL INSTRUCTIONS

Water treated with MAGNACIDE H Herbicide may be used for irrigation at any time. If treated water is to be used for other purposes, do not release it from the treated channels for at least 48 hours after an injection of MAGNACIDE H Herbicide has ceased. Regardless of use, treated water must remain on-farm or in the irrigation channel for a total of 72 hours from the time an injection of MAGNACIDE H Herbicide has ceased.

Note: To minimize tailwater generation, treated water should not be used to irrigate soil that is at field capacity.

APPLICATION

Users must consult the MAGNACIDE H Herbicide Australian Application and Safety Manual and follow the directions it contains in determining:

- (1) the required treatment rate;
- (2) the proper size orifice to apply MAGNACIDE H Herbicide;
- (3) the nitrogen application pressure to use; and
- (4) the proper setup and shut down of the MAGNACIDE H Herbicide Application Equipment as distributed by Baker Petrolite.

MAGNACIDE H Herbicide is forced from the cylinder in which it is supplied with industrial grade nitrogen gas and introduced directly into the channel over a period of 30 minutes to 8 hours to form a wave of treated water. As MAGNACIDE H Herbicide proceeds down the channel, it moves like a chemical wave, destroying weeds as it moves.

The amount of MAGNACIDE H Herbicide required is primarily determined by the volume of water and weed density in the channel, although water velocity, temperature and quality must also be considered. Channel volume is generally stated in Megalitres per day (ML/day) and the amount of material used can be expressed in terms of this value. As an example, if MAGNACIDE H Herbicide is recommended at 1.61 litres/ML/day, it means a channel at 25 ML/day will need a total of 40.25 litres of product.

Since MAGNACIDE H Herbicide is added over a time interval the amount of herbicide the weeds receive is determined by:

- (1) its concentration in the water and
- (2) the time required for the treated water to pass over the plants. In fast flowing channels (linear velocity greater than 3.2 km/hour), masses of vegetation may be compacted or bent by the water; channelling may occur preventing the free movement of the treated water through the weeds. The same situation may prevail in channels heavily infested with weed growth. Consequently, all plants may not receive their proportionate share of the available herbicide and the control will be less effective. Therefore, in channels flowing faster than 3.2 km/hr or heavily infested with aquatic weeds, the dosages may have to be increased (up to 15 ppm) and/or the time period of treatment extended.

Preventive Maintenance Program

By utilising a preventive maintenance program, the irrigation channel will be kept free of weeds throughout the irrigation season, solving water delivery problems and minimising off-season maintenance created by aquatic weeds. Preventive maintenance programs require less herbicide usage. Better application results will also be obtained as the weeds are more susceptible while immature.

A preventive maintenance program consists of making a series of MAGNACIDE H Herbicide applications over the irrigation season such that the aquatic weeds are never allowed to reach a "problem" condition. The first MAGNACIDE H Herbicide application should be made when aquatic weed growth first becomes apparent. This will normally occur 3 - 6 weeks after the channel receives a constant supply of water. The second and subsequent applications should be made at intervals, depending upon the regrowth of aquatic weeds. Regrowth will depend on several variables such as water and atmospheric temperatures, species of aquatic plant, turbidity of water, water quality and sunlight conditions.