

DIRECTIONS FOR USE

| Situation | Weeds | States | Rate | Critical Comments |
|-----------------------------|---|------------------------|--|--|
| Water in Irrigation Systems | <p>All Submersed and Floating Weeds and Algae.</p> <p>Commonly occurring examples are: <i>Anabaena circinalis</i> (bluegreen algae) <i>Chara</i> spp. (stoneworts) <i>Spirogyra</i> spp. (filamentous green algae) <i>Eriodea Canadensis</i> (water weed) <i>Potamogeton foliosus</i> (leafy pondweed) <i>P. ochreatus</i> (blunt pondweed) <i>P. pectinatus</i> (sago pondweed) <i>Vallisneria gigantea</i> (ribbonweed)</p> | NSW, QLD, VIC, WA only | Up to 15 ppm applied over application times ranging from 30 minutes to 8 hours | <p>Dosages of MAGNACIDE H Herbicide are based on the amount of aquatic weed present and rate of water flow.</p> <p>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.</p> <p>All typical submersed aquatic weed species and algae appear to be susceptible.</p> |

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

DO NOT USE THIS PRODUCT IN THE HOME GARDEN.

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.

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 system 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.

Resistant Weeds Warning

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.

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.

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.

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 system 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.

PRECAUTION

Do not use water from treated channels for domestic or recreational purposes within 48 hours after the injection of MAGNACIDE H Herbicide has ceased.

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:

1. During the time of application, and
2. For one hour post-treatment.

DANGEROUS POISON

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

MAGNACIDE® H HERBICIDE

ACTIVE CONSTITUENT: 950 g/kg ACROLEIN

GROUP

HERBICIDE

**A WATER SOLUBLE HERBICIDE FOR USE IN WATER TO
CONTROL SUBMERSED WEEDS IN IRRIGATION SYSTEMS**

RESTRICTED CHEMICAL PRODUCT

**ONLY TO BE SUPPLIED TO OR USED BY AN AUTHORISED
PERSON**

Net Contents: 168 kg

**Distributed by:
Baker Petrolite
5 Walker Street
Braeside, Victoria 3195
Australia**

EMERGENCY CONTACT NUMBER 1800 033 111

(SHE PACIFIC Emergency Response)

HIGHLY FLAMMABLE

APVMA Approval Number: 45654/168kg/1004

EMERGENCY INFORMATION

ACROLEIN, STABILIZED
UN NO. 1092
PG I
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PROTECTION OF LIVESTOCK

Do not allow stock access to treated water for 48 hours after the injection of MAGNACIDE H Herbicide has ceased.

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.

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 system for a total of 72 hours from the time an injection of MAGNACIDE H Herbicide has ceased.

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STORAGE AND DISPOSAL

Store container in a locked enclosure away from children, animals, food, feedstuffs, seed and fertilisers. Store away from all other chemicals.

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.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from fire, sparks and heated surfaces. Do not puncture or incinerate container. Acrolein, the active ingredient in MAGNACIDE® H Herbicide, is highly reactive chemically and readily forms polymers. If alkalis (such as ammonia and caustic) or strong acids are brought in contact with MAGNACIDE H Herbicide in a closed system, the herbicide can polymerise with sufficient violence to rupture the container. Do not apply with equipment used for acids and alkalis. Contamination of MAGNACIDE H Herbicide with any foreign matter must be avoided.

A supply of sodium carbonate (soda ash) and water should be readily available for deactivating spilled MAGNACIDE H Herbicide. All spills should be confined and deactivated before disposal. See the MAGNACIDE H Herbicide Australian Application and Safety Manual for additional information.

IN CASE OF ACCIDENT, SPILL OR LEAK

No smoking or flares. Keep upwind from small spills. Evacuate area in case of large spills or container rupture. Shut off leak if without risk. If necessary to enter spill area, wear self-contained breathing apparatus and full protective clothing including rubber boots. Cover spilled liquid with sodium carbonate (soda ash) in powdered form and follow with water dilution. Run-off to sewer may create toxic hazard; notify authorities.

FIRE!

On a small fire, use carbon dioxide or dry chemical extinguishers. Alcohol-type foam is recommended for large fires. Wear self-contained breathing apparatus and full protective clothing. Cool container with water if exposed to fire. If container is heavily exposed to fire, evacuate area and let fire burn.

SAFETY DIRECTIONS

Very dangerous, particularly the concentrate. Highly toxic, extremely flammable and irritating vapour and liquid. Poisonous by inhalation, skin contact or swallowing. Corrosive. Will irritate the eyes, nose, throat and skin. The liquid can cause burns. Attacks eyes. Do not get in eyes, on skin or on clothing. Do not inhale vapour. Protect eyes while using. When opening the container, preparing the product for use and using the product wear cotton overalls (or equivalent clothing) buttoned to the neck and wrist, washable hat, PVC or rubber apron and butyl rubber gloves, impervious footwear and a full-face air-purifying respirator with organic vapour (OV) cartridge (canister). If spilled on clothing, gloves, or shoes, remove them immediately and wash them before reuse. Apply product in the open air with adequate ventilation. Reseal the container tightly.

After use and before eating, drinking or smoking, wash hands, arms, and face thoroughly with soap and water. After each day's use wash gloves, respirator and contaminated clothing. Do not reuse footwear until thoroughly aired.

WARNING SIGNS AND SYMPTOMS: Liquid MAGNACIDE H Herbicide is absorbed by the skin and is particularly irritating to any lesion and to the eyes. The vapours act principally on the mucous membranes of the eyes and respiratory tract. The vapour concentration tolerable to humans serves as a warning of its presence and is close to the concentration which can cause lung injury. If you can smell the vapour or if you experience lung or eye irritation, move away from the area immediately. Inhalation of the vapour can result in serious, permanent injury to the lungs.

FIRST AID

IMMEDIATELY CALL A DOCTOR OR THE POISONS INFORMATION CENTRE (131126) IN ALL CASES OF SUSPECTED POISONING.

IF IN EYES: Hold eyelids open and flush with water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF SWALLOWED: Do not induce vomiting. Avoid alcohol. Call a doctor immediately. Measures against circulatory shock, respiratory depression and convulsion may be needed. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED: Get victim to fresh air immediately and give artificial respiration if breathing has stopped.

Note to Doctor

TREATMENT: Treat exposed areas as a chemical burn. Thoroughly flush the eyes with water and treat symptomatically. Persons exposed to MAGNACIDE H Herbicide vapours may have a delayed reaction and experience irritation of the upper respiratory tract. In severe cases, this may progress to pulmonary oedema. Therefore, it is advisable for a person who shows signs or symptoms of exposure to MAGNACIDE H Herbicide to be kept under observation for at least 24 hours following exposure.

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.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which is available from the distributor.

