

# DANGEROUS POISON

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

# SIRION<sup>®</sup>

## HERBICIDE

ACTIVE CONSTITUENT: 960g/L MOLINATE

GROUP	<b>J</b>	HERBICIDE
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Post emergence herbicide for control of grass weeds in rice

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

CONTENTS: 100L, 110L, 200L, 1000L

APVMA Approval No: 56744/1508



SIPCAM PACIFIC AUSTRALIA PTY LIMITED  
Level 1, 191 Malop Street Geelong VIC 3220

® Registered Trademark of Sipcam Pacific Australia Pty Ltd

# SIRION HERBICIDE

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

### Refillable containers

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

## SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing the spray wear elbow-length PVC gloves. 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 gloves and contaminated clothing.

## FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126.

## SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet (SDS) which is available from the supplier or from our web site, [www.sipcam.com.au](http://www.sipcam.com.au).

## NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

**Batch No:**

**Date of Manufacture:**

**This product is NOT a Dangerous Good under the Australian Code for the transport of Dangerous Goods by road and rail.**

**For specialist advice in emergency only, call  
1800 033 111 all hours, Australia wide**



## G.H.S. STATEMENT

**HAZARDS** H302: Harmful if swallowed.

**PREVENTION** P270: Do not eat, drink or smoke when using this product.

**RESPONSE** P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

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## DIRECTIONS FOR USE:

### RESTRAINTS

DO NOT apply by ground application. Apply to permanent water only by fixed wing aircraft or helicopter via SCWIIRT (Soluble Chemical Water Injection in Rice Technique).

Under very cold conditions DO NOT apply permanent water too early as crop may be drowned. A proportion of the first leaf must show above the water.

Crop	Weeds Controlled	State	Rate per hectare Aerial Application	Critical Comments
Rice Combine sown, sod seeded and aerial sown rice	PERMANENT WATER  Barnyard grasses ( <i>Echinochloa spp</i> )  Silver Top Grass ( <i>Diplachne fusca</i> )	NSW only	3.75L in minimum 10L water	Apply via SCWIIRT method by fixed wing aircraft with Bickley boom or helicopter via SCWIIRT boom. Apply when Barnyard grass is in the 1-4 leaf stage and Silver Top grass is up to the 2 leaf stage. Weeds are usually 5-10cm high. NO MORE than one-third of the plant bulk should be above the water at spraying nor should more than one third of the bay be covered by these plants. DO NOT allow movement of the water through bays for 2 hours before spraying. Allow only MINIMUM water movement through the bays for 3 days after application. After this time normal water coverage should be maintained. If applying by helicopter via SCWIIRT method - apply by dropper applicator direct to the flood water of the permanently flooded bays. Refer to the General Instructions for application details. Do not use Sirion if excess rice and weed vegetation will impede re-distribution of Sirion in water resulting in inadequate control.
	Barnyard grasses ( <i>Echinochloa spp</i> ) 0 to 2 leaf stage		2.5L in minimum 10L water	Apply via SCWIIRT method by fixed wing aircraft with Bickley boom or helicopter via SCWIIRT boom. Coverage of the rice field with permanent water must be maintained after application. Water movement to and through the bays should cease 2 hours before application. Minimum water movement should be maintained for 3 days after application. After this time normal water coverage should be maintained.
	Barnyard grasses ( <i>Echinochloa spp</i> ) 5 leaf to early tillering stage		5.2L in minimum 20L water	Salvage control: Good water coverage after spray application will assist in weed suppression. Apply by fixed wing aircraft or helicopter by SCWIIRT method. To ensure adequate foliar coverage and optimise control, the boom needs to be fitted with multiple nozzles producing a solid stream (eg. CP solid stream nozzles). Avoid spray overlap as some crop injury may occur.

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

**WITHHOLDING PERIOD:** NOT REQUIRED WHEN USED AS DIRECTED

### GENERAL INSTRUCTIONS

Use product in closed supply and delivery systems only as described on this label. For use by aerial application only.

**Mixing:** Thoroughly mix the required amount of product with a small quantity of water before adding to the full quantity of water in the spray tank. If tank mixing with wettable powders or water dispersible granules add these first, add liquid suspensions (ie flowables) next and Sirion last. Maintain good agitation at all times until spraying is completed.

### Compatibility:

Sirion is compatible with most pesticides used in rice provided correct order of mixing (see above) is followed. Sirion is compatible with chlorpyrifos, bensulfuron, Taipan and Magister.

### **Aerial application:**

Apply by fixed wing aircraft or helicopter via SCWIIRT method (Soluble Chemical Water Injection in Rice Technique). Apply product on to the surface of permanent water where it disperses through the water and acts mainly on the stem of problem grasses at the soil surface. For a fixed wing SCWIIRT application a Bickley boom that conforms to the following specifications can be used: Two nozzles mounted on droppers, one either side with droppers positioned just outside the first boom hanger (28 – 35% of wingspan).

- dropper length approximately 40-60 cm or lower below the trailing edge of the wing
- Solid stream nozzles with bore sufficient to apply the desired volume at pressure of 240 – 310 kPa (35 to 45 psi).
- Nozzles orientated rearwards and parallel to the airstream.
- Check valves (spraying system diaphragm type 12328, ¼ inch) located behind nozzle to eliminate “trailing” after shut off.
- Spray at a maximum wheel height of 2m above field surface.
- Swath widths of approximately 25 m are recommended.

DO NOT use a Bickley boom for salvage control of barnyard grass or when applying to permanent water where excess rice and weed vegetation could impede the re-distribution of Sirion resulting in unsatisfactory control of barnyard grass (See Salvage Control below).

### **SCWIIRT application by helicopter:**

Apply up to the 4-leaf stage of barnyard grass. Dilute the required amount of Sirion in water (total volume of 5 to 10 litres/ha) and apply to flooded bay at a distance of 20 to 30 metres between runs. Position dripper nozzles no more than 50cm from the water surface and maintain pressure at or below 200kPa (30 PSI or 2 bar). Control of advanced barnyard grass by SCWIIRT may not be satisfactory where excess vegetation impedes re-distribution of Sirion in water (See salvage Control below). Salvage Control: For advanced barnyard grass control, to ensure adequate foliar coverage and optimise control, the fixed wing aircraft or helicopter boom needs to be fitted with multiple nozzles producing a solid stream (eg. CP solid stream nozzles). Avoid spray overlap as some crop injury may occur.

### **RESISTANT WEEDS WARNING**

#### **GROUP J HERBICIDE**

Sirion Herbicide is a member of the thiocarbamate group of herbicides. Sirion Herbicide has the inhibitor of mitosis mode of action. For weed resistance management Sirion Herbicide is a Group J Herbicide. Some naturally occurring weed biotypes resistant to Sirion Herbicide and other Group J 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 Sirion Herbicide or any other Group J herbicide. Since the occurrence of resistant weeds is difficult to detect prior to use, Sipcarn Pacific Australia Pty Ltd accepts no liability for any losses that may result from the failure of Sirion Herbicide to control resistant weeds.

### **PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

DO NOT use under weather conditions or from spraying equipment which could be expected cause drift onto nearby susceptible plants and crops, cropping lands or pastures.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

### **STORAGE AND DISPOSAL**

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