

DANGER

KEEP OUT OF REACH OF CHILDREN



ADAMA

CYCLONE®

GROUP 15 HERBICIDE

For selective pre-emergence control of certain grasses in maize, sweetcorn, soyabeans and various vegetable crops

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active Ingredient:

Contains 480 g/L ALACHLOR in the form of an emulsifiable concentrate

UN No:	3082
Class-primary	9
Packing group	III
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Alachlor)
Marine pollutant:	YES
Batch number:	
Date of Manufacture:	NET CONTENTS: 5 L, 20 L, 200 L
Barcode to be inserted	

REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**DANGER**

May be harmful if swallowed or inhaled. May be fatal if swallowed and enters airways. Causes serious eye damage. May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms. Harmful to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke while using this product. Do not breathe spray mist or vapours. Wash exposed skin thoroughly after handling. Use personal protective equipment as specified in the personal protection section of this label. Contaminated work clothing should not be allowed out of the workplace. Avoid unintended release into the environment. Collect spillages.

PCBU RESPONSIBILITIES

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

QUALIFICATIONS REQUIRED FOR APPLICATION OF ECOTOXIC SUBSTANCES

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person.

Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for a list of suitable qualifications.

RECORD KEEPING

Where 3 L or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for details of information that must be recorded.*

EQUIPMENT

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

STORAGE

Store in locked up in the original, tightly closed container in a cool, dry place out of direct sunlight and away from stockfeed or foodstuffs. Use explosion proof electrical/ventilating/lighting equipment, and non-sparking tools. Take precautionary measures against static discharge. In case of fire use dry chemical, water spray, foam, or carbon dioxide for extinction.

Store in accordance with NZS 8409 Management of Agrichemicals. Signage, secondary containment and emergency response plans are required where 100 L or more of this product are stored. Refer to the product SDS for further information.

SHELF LIFE

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

PERSONAL PROTECTION

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work. Contaminated work clothing should not be allowed out of the workplace.

SPILLAGE

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as above to clean up spills. Absorb liquid spills with an inert material (such as

vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

DISPOSAL

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

Product Disposal - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

Do not burn product or container.

SAFETY DATA SHEET

A safety data sheet for this product is available at www.adama.com.

FIRST AID

If medical advice is needed, have product container or label at hand.

For advice or if you are exposed or concerned or feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

IF SWALLOWED: Do **NOT** induce vomiting. **Immediately** call a POISON CENTRE or doctor.

IF ON SKIN: Immediately remove all contaminated clothing. Wash with plenty of soap and water/shower. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse.

IF IN EYES: **Immediately** call a POISON CENTRE or doctor. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

CONDITIONS OF SALE

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.



Registered to and distributed by:

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Registered pursuant to the ACVM Act 1997, No. P009582

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR101602

See www.epa.govt.nz for approval controls

Cyclone is a registered trademark of an ADAMA Group of Company



EMERGENCY RESPONSE

(All hours)

Ring from anywhere in New Zealand

0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

DIRECTIONS FOR USE

TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA.

EPA Controls

- Do not apply this substance onto or into water.
- The maximum application rate for this substance is 3.36 kg alachlor/ha (equivalent to 7 L Cyclone/ha), with a maximum frequency of once per year.
- This substance must be applied by ground-based methods only.
- The substance must not be applied when wind speeds are less than 3 km/h, or more than 20 km/h as measured at the application site.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

CROP	WEEDS	RATE	CRITICAL COMMENTS
Cucurbits, Squash, Pumpkin	Annual Poa, Barnyard Grass, Black Nightshade, Bristle Grass, Crowfoot Grass, Fathen, Redroot, Summer Grass, Witchgrass	2-4 L in 200-400 L of water/ha	Use the higher rate on soils high in organic matter or clay content. Crop injury may result from higher rates on light textured soil, shallow seeding or heavy rain immediately after application. Do not surface blend.
Kumara		4 L in 200-400 L of water/ha	Apply immediately after planting.
Maize, Sweetcorn		7 L in 200-400 L of water/ha	Alternatively use 5.5-7 L plus 2-3.5 L of GESAPRIM® 500 FW. The higher rate should be used on soils high in clay or organic matter. The addition of GESAPRIM 500 FW will extend the spectrum of weeds controlled. Do not apply after the crop has emerged as injury may result.
Onions		3-5 L in 200-400 L of water/ha	Apply after the crop has 2 true leaves and prior to emergence of grass weeds. Use the higher rate on soils high in organic matter or clay content.
Soyabeans		7 L in 200-400 L of water/ha	Apply immediately after sowing. If willow weed is expected, use 6 litres plus 2 kg linuron 50% ai per hectare. On soil high in peat or clay, use 7 L plus 3 kg linuron 50% ai/ha.
Vegetable brassicas (Brussels sprouts, Cauliflower transplants)		6 L in 200-400 L of water/ha	Apply immediately after transplanting.
Forage brassicas		2.5 - 3 L in 200-400 L of water/ha	Apply as a broadcast spray after planting pre-emergent of the crop, when the soil surface is suitably compacted and unlikely to be further disturbed. DO NOT soil incorporate. DO NOT apply shortly before rainfall events are forecast that could result in ponding on the surface. Always follow the label instructions for tank mixing herbicides. DO NOT use under conditions where brassica seedlings will be in contact with Cyclone for an extended period of time, e.g., when slowly emerging

CROP	WEEDS	RATE	CRITICAL COMMENTS
			<p>from seed or when climatic conditions (low temperatures and/or saturated soils) result in slow seedling growth.</p> <p>DO NOT use when seed are located close to the surface (< 5 mm deep) as it may affect seed germination.</p> <p>DO NOT use on very light soils (CEC < 10).</p>

APPLICATION

Use conventional boom spraying equipment fitted with fan tip nozzles. Use a spray pressure of 200-280 kPa and a water rate of 200-400 L/ha. Flush out spray equipment thoroughly following use. Use detergent in water then finally flush with clean water.

RAINFALL

Up to 13 mm of rain or irrigation is required within 10 days of application to activate the herbicide.

INCORPORATION

If soils are very dry and rain is not expected within 10 days, surface blend to a depth of 25-50 mm using a roller tiller or similar type equipment at a speed not less than 10 kph soon after application.

COMPATIBILITY

Compatible with most commonly used herbicides. It is advisable to check physical compatibility on a small area, before widespread application.

RESISTANCE MANAGEMENT

CYCLONE contains the GROUP 15 chloroacetamide herbicide, alachlor. To minimise the risk of resistance developing, use strictly in accordance with the label directions. Unless directed, do not use another product containing herbicides in the same groups in conjunction with CYCLONE. Where possible, herbicides from different groups should either be used alternately or mixed together to prevent the numbers of resistant individuals building up.

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Gesaprim is a trademark of a Syngenta Group Company