

DANGER

**KEEP OUT OF REACH OF CHILDREN
FLAMMABLE LIQUID
ECOTOXIC**



**CYCLONE™
HERBICIDE**

GROUP K3 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
Also contains 536 g/L monochlorobenzene.

Adama New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

NET CONTENTS
5 L, 20 L, 200 L

ADAMA

Refer to booklet for full label instructions.

HAZARD CLASSIFICATIONS

Classifications 3.1C, 6.1D, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2A, 9.3C



FLAMMABLE LIQUID



TOXIC – ACUTE



TOXIC - CHRONIC



ECOTOXIC

APPROVED HANDLER - This product must be under the care of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

FLAMMABLE

Warning – flammable liquid and vapour. Keep away from naked flame. No smoking.

TOXICITY

DANGER - Presumed to cause organ damage from repeated oral exposure at high doses.

Do not breathe spray mist or vapour.

WARNING

May be harmful if swallowed or inhaled.

May cause eye and mild skin irritation. Avoid skin and eye contact

May cause allergic skin reaction.

Suspected of causing cancer.

ECOTOXICITY

Very toxic to aquatic organisms. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Very toxic in the soil environment.

Harmful to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Use only outdoors or in a well-ventilated area.

Equipment

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

Storage

Store locked up in the original, unopened container in a cool, dry, well-ventilated place, out of direct sunlight and away from stockfeed or foodstuffs. In case of fire use dry chemical, water spray, foam or carbon dioxide for extinction.

As a Class 9 Substance with Ecotoxicity Classifications storage of CYCLONE must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information.

Transport

Do not carry packages greater than 0.1 L of this product on passenger service vehicles.

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.

Protective clothing

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection such as face shield or goggles. 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 in the protective clothing section of this label 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.

FIRST AID

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

IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

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.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before re-use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

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:
Adama New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

Registered pursuant to the ACVM Act 1997, No. P9582
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval No. HSR000397
See www.epa.govt.nz for registration conditions

Adama and Cyclone are trademarks of an ADAMA Group Company.



Label

EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Batch Number:
Date of Manufacture:

Bar code to be inserted

DANGER

**KEEP OUT OF REACH OF CHILDREN
FLAMMABLE LIQUID
ECOTOXIC**



**CYCLONE™
HERBICIDE**

GROUP K3 HERBICIDE

**For selective pre-emergence control of certain grasses in maize,
sweetcorn, soybeans 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
Also contains 536 g/L monochlorobenzene.

Adama New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

NET CONTENTS
5 L, 20 L, 200 L

ADAMA

Important: Read this booklet completely before mixing or applying.

HAZARD CLASSIFICATIONS

Classifications 3.1C, 6.1D, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2A, 9.3C



FLAMMABLE LIQUID



TOXIC – ACUTE



TOXIC - CHRONIC



ECOTOXIC

APPROVED HANDLER - This product must be under the care of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

FLAMMABLE

Warning – flammable liquid and vapour. Keep away from naked flame. No smoking.

TOXICITY

DANGER - Presumed to cause organ damage from repeated oral exposure at high doses.

Do not breathe spray mist or vapour.

WARNING

May be harmful if swallowed or inhaled.

May cause eye and mild skin irritation. Avoid skin and eye contact

May cause allergic skin reaction.

Suspected of causing cancer.

ECOTOXICITY

Very toxic to aquatic organisms. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Very toxic in the soil environment.

Harmful to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Use only outdoors or in a well-ventilated area.

Equipment

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZ8409).

Storage

Store locked up in the original, unopened container in a cool, dry, well-ventilated place, out of direct sunlight and away from stockfeed or foodstuffs. In case of fire use dry chemical, water spray, foam or carbon dioxide for extinction.

As a Class 9 Substance with Ecotoxicity Classifications storage of CYCLONE must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information.

Transport

Do not carry packages greater than 0.1 L of this product on passenger service vehicles.

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.

Protective clothing

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection such as face shield or goggles. 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 in the protective clothing section of this label 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.

FIRST AID

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

IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

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.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before re-use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

SAFETY DATA SHEET

A Safety Data Sheet for this product is available from Adama New Zealand Limited on request. Call 03 543 8275.

BEWARE: A strategy to minimize spray drift should be employed at all times when applying spray near aquatic environments.

DIRECTIONS FOR USE

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 and 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 L and 2 kg linuron 50% AI per hectare. On soil high in peat or clay use 7.5 L and 3 kg linuron 50% AI per hectare.
Vegetable brassicas (Brussels sprouts, cauliflower transplants)		6 L in 200-400 L of water/ha	Apply immediately after transplanting.

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.

GENERAL INSTRUCTIONS

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 of not less than 10 kph soon after application.

COMPATIBILITY

CYCLONE is 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 K3 chloroacetamide herbicide, alachlor. The mode of action is inhibition of cell division. Naturally occurring biotypes resistant to alachlor could develop from many years of continuous use of this product. To minimise this risk use strictly in accordance with label directions. For details of resistance management strategies (if any) for the crops listed on the label consult the New Zealand Plant Protection Society (www.resistance.nzpps.org) or contact your Adama representative for advice.

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:
Adama New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

Registered pursuant to the ACVM Act 1997, No. P9582
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval No. HSR000397
See www.epa.govt.nz for registration conditions

Adama and Cyclone are trademarks of an ADAMA Group Company.
Gesaprim is a registered trademark of a Syngenta Group Company.