

# COMBUSTIBLE LIQUID HARMFUL • ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

# CLETHO 240 EC

HERBICIDE

**ACTIVE INGREDIENT: 240 g/L CLETHODIM in the form  
of an emulsifiable concentration**

Selective post-emergence herbicide for grass weed control  
in broadleaf crops and forestry.



Registered pursuant to ACVM Act 1997, Approval No. P9624

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to HSNO Act 1996, Approval No. HSR101346

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**NET CONTENTS: 5L**

Registrant:

**Kenso Corporation (M) Sdn Bhd**

Lot 29, Jalan Sungai Pinang 5/4, Taman Perindustrian  
Pulau Indah, 42920 Pelabuhan Klang, Selangor, Malaysia.

NZ Agent:

**Kenso NZ Limited**

2 Bond Crescent, Forrester Hill, Auckland 0620 New Zealand.  
Ph: 0800 536 766

# CLETHO 240 EC HERBICIDE

**HSNO CLASSIFICATION:** 3.1D, 6.1E, 6.3A, 6.4A, 6.9B, 9.1B, 9.2A, 9.3C

This product must not be used for any purpose, or in any manner, contrary to this label unless authorized under appropriate legislation.

## PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of an appropriately trained and experienced applicator when it is applied in a wide dispersive manner or used by a commercial contractor.

## FLAMMABILITY

Warning – Combustible liquid. Keep away from sources of ignition.

## TOXICITY

Harmful – May be harmful if swallowed. May be fatal if swallowed and enters airway. May cause skin irritation and serious eye irritation. May cause liver damage from repeated oral exposure at high doses.

## ECOTOXIC

Harmful to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

**Selective herbicide** – Very toxic to some plant species. Do not allow drift to occur outside the target area.

## HANDLING PRECAUTIONS

### STORAGE

Do not store near heat or flame.

Store in original container tightly closed and in a locked, dry, cool area away from sources of ignition, seeds, fertilisers and foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Do not store with Class 1, 2, 3.2, 4 or 5 substances. Stores containing 100 litres are subject to signage, 1000 litres of Cletho 240 require secondary containment and more than 1000 litres require emergency response plans. Store containing more than 500 litres of Cletho 240 EC Selective Herbicide must have at least 2 fire extinguishers.

## PERSONAL PROTECTION

Avoid skin and eyes contact and inhalation of spray mist. When mixing or applying wear eye protection, respiratory protection, chemical resistant gloves and boots, and coveralls. Remove protective clothing and wash hands and face thoroughly before meals and after work.

## DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an appropriate landfill. Do not burn.

## FIRST AID

If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If concentrate or spray solution enters the eyes wash out immediately with water. If inhaled move the victim to fresh air immediately. If breathing is difficult, take to hospital without delay.

## SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: [www.kenso.co.nz](http://www.kenso.co.nz)

## CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. 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 responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



## EMERGENCY RESPONSE

Ring 0800 CHEMCALL, or  
0800 243 622 (24 hours)

Product of China



9421028 661300



Batch No.:

Date of Manufacture:

08/19

UN NO: 3082  
ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID,  
N.O.S. (CONTAINS CLETHODIM)  
MARINE POLLUTANT,  
PACKING GROUP III  
HAZCHEM 2X



In a transport emergency dial 111,  
Police or Fire Service.  
For specialist advice in an emergency  
only, call 0800 243 622 (24 hours).

**COMBUSTIBLE LIQUID  
HARMFUL • ECOTOXIC  
KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING**

# CLETHO 240 EC

**SELECTIVE HERBICIDE**

**ACTIVE INGREDIENT: 240 g/L CLETHODIM  
in the form of an emulsifiable concentrate**

Selective post-emergence herbicide for grass weed control in  
broadleaf crops and forestry.

Registered pursuant to ACVM Act 1997, No. P9624  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to HSNO Act 1996, Approval No.  
HSR101346  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions



**Kenso Corporation (M) Sdn Bhd**  
2, Bond Crescent, Forrest Hill  
Auckland 0620 NZ  
Phone: 0800 536 766



**HSNO classification: 3.1D, 6.1E, 6.3A, 6.4A, 6.9B, 9.1B, 9.2A, 9.3C**

This product must not be used for any purpose, or in any manner, contrary to  
this label unless authorized under appropriate legislation.

**PERSONNEL QUALIFICATION & EXPERIENCE**

This product must be under the control of an appropriately trained and  
experienced applicator when it is applied in a wide dispersive manner or used  
by a commercial contractor.

**FLAMMABILITY**

Warning – Combustible liquid. Keep away from sources of ignition.

**TOXICITY**

Harmful – May be harmful if swallowed. May be fatal if swallowed and enters  
airway. May cause skin irritation and serious eye irritation. May cause liver  
damage from repeated oral exposure at high doses.

**ECOTOXIC**

Harmful to aquatic organisms with long-lasting effects. Avoid contamination of  
any water supply with product or empty container.

**Selective herbicide** – Very toxic to some plant species. Do not allow drift to  
occur outside the target area.

**HANDLING PRECAUTIONS**

**STORAGE**

Do not store near heat or flame.

Store in original container tightly closed and in a locked, dry, cool area away  
from sources of ignition, seeds, fertilisers and foodstuffs. Store in accordance  
with NZS 8409 Management of Agrichemicals. Do not store with Class 1, 2, 3.2,  
4 or 5 substances. Stores containing 100 litres are subject to signage, 1000  
litres of Cletho 240 require secondary containment and more than 1000 litres  
require emergency response plans.

Store containing more than 500 litres of Cletho 240 EC Selective Herbicide  
must have at least 2 fire extinguishers.

**EMERGENCY RESPONSE**  
Ring 0800 CHEMCALL, or  
0800 243 622 (24 hours)

**UN NO : 3082**



**ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID N.O.S.  
(CONTAINS CLETHODIM)  
MARINE POLLUTANT  
PACKING GROUP III  
HAZCHEM 2X  
CLASS 9**

**In a transport emergency dial 111, Police or Fire  
Service.**

**For specialist advice in emergency only, call 0800  
734 607 (24 hours).**

**DISPOSAL**

Triple rinse empty container and add residue to spray tank. Recycle empty  
container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)).  
Otherwise, crush and bury in a suitable landfill. Dispose of product only by  
using according to the label, or at an appropriate landfill. Do not burn.

**FIRST AID**

If swallowed DO NOT induce vomiting. For advice contact the National  
Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin  
or hair contact occurs, remove contaminated clothing and flush skin and hair  
with running water. If concentrate or spray solution enters the eyes wash out  
immediately with water. If inhaled move the victim to fresh air immediately. If  
breathing is difficult, take to hospital without delay.

**SAFETY DATA SHEET**

A Safety Data Sheet is available from Kenso NZ website:  
[www.kenso.co.nz](http://www.kenso.co.nz)

**CONDITION OF SALE**

Kenso Corporation (M) Sdn. Bhd. 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  
responsibility for the merchantable quality of the goods and such respon-  
sibilities mandatorily imposed by Statutes applicable to the sale or  
supply of these goods. To the extent allowed by such Statutes the  
liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement  
of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the  
refund of the price paid and where possible sufficient part of the goods  
to enable proper examination being returned to Kenso Corporation (M)  
Sdn.Bhd. within thirty days of delivery.

Registered pursuant to ACVM Act 1997, No. P9649  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to HSNO Act 1996, APPROVAL No. HSR001759  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

## PERSONAL PROTECTION

Avoid skin and eyes contact and inhalation of spray mist. When mixing or applying wear eye protection, respiratory protection, chemical resistant gloves and boots, and coveralls. Remove protective clothing and wash hands and face thoroughly before meals and after work.

## EQUIPMENT

Apply using well maintained spray equipment that is accurately calibrated to apply 100-300 litres of water per hectare. Use nozzles and pressures that produce a droplet size of 150-300 micrometres VMD. Use the high water rate for dense grass infestations.

## Spillage

Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing. Absorb spills with inert material and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to an approved landfill.

## Transport

Do not carry more than 1 litre of Cletho 240 EC Selective Herbicide on a passenger service vehicle.

## Mixing and Compatibility

Half fill the spray tank and with the agitator operating add the required amount of Cletho 240 EC Selective Herbicide. Add adjuvant oil and agitate thoroughly, then add the remainder of the water and agitate thoroughly before using. After standing, agitate spray solution well before reusing. Compatible with Timberwolf 900 WG Herbicide and Ken-Trel 750 SG Herbicide. Do not apply in combination with other herbicides unless experience shows that efficacy is not affected. Do not apply within 7 days of phenoxy herbicides.

## Cleaning Spray Equipment

Before using Cletho 240 EC Selective Herbicide: Ensure that the recommended clean-out procedure for the previous product (particularly sulfonyl urea herbicides) sprayed with the equipment was done properly. After using Cletho 240 EC Selective Herbicide: Empty the tank and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean all filters in the tank, pump line and nozzles. Use of a household detergent will aid in cleaning the equipment. Add detergent to the part-filled spray tank and thoroughly circulate through pumps, hoses and nozzles. Drain the system and thoroughly rinse twice with water. Rinse water should be discharged onto a designated disposal area, or if this is unavailable, onto unused land away from desirable plants and water sources.

## Resistance Management

Cletho 240 EC Selective Herbicide is a member of the cyclohexanedione group of herbicides. Cletho 240 EC Selective Herbicide has the inhibition of acetyl CoA carboxylase mode of action. For weed resistance management, Cletho 240 EC Selective Herbicide contains a Group A Herbicide. Some naturally occurring weed biotypes resistant to Cletho 240 EC Selective Herbicide and other Group 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 Cletho 240 EC Selective Herbicide or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Kenso NZ Limited accepts no liability for any losses that may result from the failure of Cletho 240 EC Selective Herbicide to control resistant weeds. To prevent or delay the development of resistance, use Cletho 240 EC Selective Herbicide in tank mixtures where appropriate, and/or in rotation with herbicides having a different mode of action against the weed. Refer to [www.resistance.nzpps.org/](http://www.resistance.nzpps.org/) for further information.

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

## DIRECTIONS FOR USE

Unless otherwise stated always apply Cletho 240 EC Selective Herbicide in tank mixture with a suitable crop oil at 1 L/ 100L spray mixture (max 2 L/ha).

For best results apply to young actively growing grass weeds. Do not apply to plants under stress from drought or waterlogging.

Use the lower rate on seedling grass weeds (2-5 leaf) or actively regenerating rhizomes, and the higher rate on tillering plants or hardy rhizomatous grasses.

On established sod-bound rhizomatous grasses and established turf ryegrass in non-cultivated crops, suppression only may be obtained.

On crops which have been grazed, remove stock and allow grasses to freshen up for a few days (5-10cm new growth) before treating.

To minimise any possible crop damage, avoid spray overlaps.

Cletho 240 EC Selective Herbicide is considered to be rain fast if applied at least one hour before rainfall.

Crops	Critical Comments
White clover seed	Apply after closing up, to control annual and perennial ryegrass.
Legume feeds (eg. Lucerne, lupins, clover, lotus, trefoil)	To control annual and perennial ryegrass and other grass weeds.
Fodder brassicas	Apply when grass seedlings are small (typically 3-6 weeks after planting) and well before canopy closure. If tank mixing Cletho 240 EC Selective Herbicide + crop oil + broadleaf herbicide (e.g. Ken-Trel 750 SG Herbicide) and/or insecticides (eg. Kensban 500 Insecticide), use a crop oil at 500 ml/100L (max 2L/ha) and apply during cool conditions in the morning and evening.
Forage herbs (e.g. Plantain, chicory)	To control annual and perennial ryegrass and other grass weeds. Do not apply Cletho 240 EC Selective Herbicide to plantain seed crops after flower heads are first visible in the based on the plants.
Orchards	To control actively growing grass weeds. Apply as a directed spray to the base of the trees to avoid fruit contact.
Vegetables	To control actively growing grass weeds. Do not apply more than 1 L/ha. Crop safety has been demonstrated on onions, carrots and lettuce. Where crop safety is unknown, a small area should be treated before widespread application. NB: Asparagus – DO NOT apply during the cutting period.
Peas, lentils, oilseed rape	To control wild oats. Apply 0.25 L /ha when the majority of oats are in the 2-5 leaf growth stage. A temporary effect on leaf colour and sheen may occur in peas. This does not affect crop vigour or yield
Forestry (Radiata pine, Macrocarpa, Douglas fir)	Do not exceed 1 L/ha. Tree release – Spot treatment: Use 3.5 ml Cletho 240 EC Selective Herbicide per litre of water. Apply 20 ml spray solution per square metre. To control broadleaf weeds and for residual control, apply in combination with Timberwolf 900 WG Herbicide at recommended label rates.

## GRASSES CONTROLLED AND RECOMMENDED USE RATES

Grass Species	Rates (Litres/ha)
Wild oats, annual and perennial ryegrass, cocksfoot, barnyard grass, summergrass, floating sweet grass, canary grass, bristle grass, volunteer cereals, (NB. Turf ryegrasses and tillered cereals will only be suppressed at these rates).	0.25 - 0.5
Annual poa, smooth witchgrass, soft brome, phalaris, tall fescue, prairie grass, rigput brome, brown top, barley grass. NB: Chewings fescue, Yorkshire fog and hairgrass will be suppressed but not controlled at these rates.	0.5 - 1.0
Couch, paspalum, Indian doab	2.0 - 3.0

## WITHHOLDING PERIOD

Vegetable crops – 5 weeks.

Legume crops, forage herbs, fodder brassica crops – 3 weeks.