

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for long periods in direct sunlight.

Non-refillable containers (unless otherwise stated)

Triple rinse containers before disposal. Add rinsings to 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is **NOT** available, bury the empty packaging 500mm 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 and product. **DO NOT** re-use empty container for any other purpose.

Envirodrum - Micro Matic Valve (110L)

Store the closed, original sealed Envirodrum in a well-ventilated area, as cool as possible and locked away from children, animals, food, foodstuffs, seed and fertilisers. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase.

Refillable Containers (1000L only)

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

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid inhaling spray mist. Avoid contact with eyes and skin. When opening the container and preparing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with 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, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766). If swallowed **DO NOT** induce vomiting. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Refer to attached Leaflet for additional GHS Hazard & Precautionary Statements

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or from Imtrade CropScience website at www.imtrade.com.au

CONDITIONS OF SALE

Imtrade CropScience shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade CropScience has any authority to add to or alter these conditions.

POISON

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

IMTRADE

SUBJECT 240 EC

SELECTIVE HERBICIDE

ACTIVE CONSTITUENTS: 240 g/L CLODINAFOF-PROPARGYL

60 g/L CLOQUINTOCET-MEXYL

SOLVENTS: 575 g/L LIQUID HYDROCARBONS

100 g/L N-METHYL-2-PYRROLIDONE

GROUP 1 HERBICIDE

Controls Wild Oats, Paradoxa Grass (Annual Phalaris), Canary Grass and Annual Ryegrass in Wheat. Highly active on Wild Oats and can be mixed with many broadleaf herbicides as specified in the Directions for Use table.

Important: Read the attached Leaflet before use.

GROUP

1

FORM

EC

CONTENTS

1L-1000L

<h1>UN 3082</h1>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains CLODINAFOF- PROPARGYL and CLOQUINTOCET- MEXYL)
In a Transport Emergency Dial 000 Police or Fire Brigade	
PG III	HAZCHEM ●3Z

APVMA Approval No: 64259/134822



Batch No.
DOM:

IMTRADE
CropScience

17 Ocean St, Kwinana Beach WA 6167
08 9419 0333 | www.imtrade.com.au

POISON

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



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broadleaf herbicides
as specified in the Directions for Use table

**IMPORTANT: READ THIS LEAFLET THOROUGHLY
BEFORE OPENING OR USING THIS PRODUCT**

APVMA Approval No. 64259/134822

Imtrade Australia Pty Ltd
ABN 13 090 151 134
17 Ocean Street, Kwinana Western Australia 6167
Tel: 1800 171 799 Fax: 1800 17 1788
Web: www.imtrade.com.au

DIRECTIONS FOR USE**RESTRAINTS:**

DO NOT apply if rainfall is expected within 2 hours.

DO NOT apply to weeds or crops which are under stress. For example, due to very dry, very wet, frosty or diseased conditions, nutrient deficiency or high insect pressure.

DO NOT apply to weeds or crops immediately after a prolonged period of frosts.

DO NOT apply under poor growing conditions.

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadocks 12 – 37)	Wild Oats	Nthn NSW, QLD only	65 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 to 5 leaf	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT THESE RATES. Apply at 85 mL/ha when weeds are not actively growing. Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes). Cold water: Under cold water conditions (10°C or less), use Hasten* instead of D-C-Trate* or Uptake*.
			85 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100 L of water	2 leaf to mid tillering	

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadocks 12 – 37) <i>cont'd</i>	Wild Oats	Nthn NSW, QLD only	85 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 to 5 leaf	<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES.</p> <p>Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing SUBJECT 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur. Unless otherwise specified always use D-C-Trate*, Uptake* or Hasten* when tank mixing broadleaf herbicides. Apply at 125 mL/ha when weeds are not actively growing.</p> <p>Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes).</p> <p>Cold water: Under cold water conditions (10°C or less), use Hasten* instead of D-C-Trate* or Uptake*.</p>
			125 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 leaf to mid tillering	

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
<p>Wheat 2 leaf to late jointing (Zadocks 12 – 37) <i>cont'd</i></p>	<p>Wild Oats</p>	<p>Sthn NSW, VIC, SA, WA only</p>	<p>65 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water or 100 mL of a 100% nonionic surfactant per 100L of water</p>	<p>2 to 5 leaf</p>	<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES.</p> <p>Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing SUBJECT 240 EC with certain broadleaf weed herbicides some reduction in grass weed control may occur. Refer to compatibility chart for specific rates for tank mixes.</p> <p>Unless otherwise specified always use D-C Trate*, Uptake* or Hasten* when tank mixing broadleaf herbicides.</p> <p>Apply at 85 mL/ha when weeds are not actively growing.</p> <p>Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes).</p> <p>Cold Water: Under cold water conditions (10°C or less), use Hasten* instead of D-C-Trate* or Uptake*.</p>

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadocks 12 – 37) <i>cont'd</i>	Paradoxa Grass (<i>Phalaris paradoxa</i>) Canary Grass (<i>Phalaris minor</i>)	QLD, NSW, VIC, SA only	85 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 to 3 leaf	NOT TO BE MIXED WITH BROADLEAF HERBICIDES AT BELOW 160 mL/ha. Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing SUBJECT 240 EC with certain herbicides some reduction in grass weed control may occur. Apply at 160 mL/ha when weeds are not actively growing. Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes). Cold water: Under cold water conditions (10°C or less), use Hasten* instead of D-C-Trate* or Uptake*.
			125 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 to 5 leaf	
			160 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 leaf to early tillering	

CROP	WEEDS CONTROLLED	STATE	RATE PER HECTARE	WEED GROWTH STAGE	CRITICAL COMMENTS
Wheat 2 leaf to late jointing (Zadocks 12 – 37) <i>cont'd</i>	Annual Ryegrass	NSW, VIC, SA, WA only	160 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 to 4 leaf	<p>MAY BE TANK MIXED WITH COMPATIBLE HERBICIDES.</p> <p>Apply in mixtures for broadleaf weed control only when weeds are actively growing. When mixing SUBJECT 240 EC with certain herbicides some reduction in grass weed control may occur.</p> <p>Apply at 210 mL/ha when weeds are not actively growing.</p> <p>Where low water volumes are used, DO NOT use less than the minimum oil volumes specified (See Minimum Oil Volumes).</p> <p>Cold water: Under cold water conditions (10°C or less), use Hasten* instead of D-C-Trate* or Uptake*.</p>
			210 mL + 1L of D-C-Trate* oil or 500 mL Hasten* or Uptake* oil per 100L of water	2 leaf to early tillering	

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

WITHHOLDING PERIODS:**HARVESTED GRAIN:**

WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED.

ANIMAL GRAZING/FEEDING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

SUBJECT 240 EC should be applied only when weeds are actively growing.

Mixing

Fill the spray tank to one quarter full. Then add SUBJECT 240 EC while adding water to make up the final spray volume. Pour SUBJECT 240 EC into the stream of incoming water. Good agitation at the time SUBJECT 240 EC is added to the tank will ensure good mixing. Add the required amount of D-C-Trate*, Hasten* or Uptake* oil just before the tank is full of water and with the agitators in motion.

Mixing order

Some products may react with other products if they are not mixed in the correct order. The general mixing order of products should be -

- i. water conditioners or buffers
- ii. water dispersible granules (WG)
- iii. wettable powders (WP)
- iv. flowable or suspension concentrates (SC)
- v. emulsifiable concentrates (EC) (SUBJECT 240 EC)
- vi. water based or soluble concentrates
- vii. oils and wetters – e.g. Hasten, BS 1000

It is important to ensure that each individual component of the tank mix is fully dissolved and in solution before the next product is added to the tank mix, otherwise mixing problems may occur.

Minimum Oil Volumes

The minimum amount of oil to be applied with SUBJECT 240 EC will depend on the type of oil used. When applying SUBJECT 240 EC using low water volumes, **DO NOT** use less than the minimum oil volumes specified below:

- For oils normally applied at 1% v/v (e.g. D-C-Trate), **DO NOT** apply less than 500 mL oil/ha.
- For oils normally applied at 0.5% v/v (e.g. Uptake, Hasten), **DO NOT** apply less than 250 mL oil/ha.

Cleaning Spray Equipment

After using SUBJECT 240 EC, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean any filters in the tank, pump, line and nozzles.

To Rinse: After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

To decontaminate: Before spraying cereals (except wheat), maize, sorghum or other sensitive crops, wash the tank and rinse the system as above. Drain and repeat the rinsing procedure. Then quarter fill the tank and add a liquid alkali detergent (e.g. SURF*, OMO*, DRIVE*) at 0.5L/100L of water and circulate throughout the system for at least fifteen minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain. Dispose of all water used for cleaning in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots.

Application

Ground Application: Boom spray with flat fan nozzles. Ensure good spray coverage is obtained. Apply using 50 to 110L water per hectare. The ideal droplet size is 200 to 300 microns VMD.

Aircraft Application: For best results use 20 to 30L water per hectare and spray at 2 m to 3 m above the crop. Ideal droplet size is 250 to 350 microns VMD. For rotary atomizers (micronairs) this can be achieved using blade angles of 55° to 65°. Where booms and nozzles are attached, flat fan nozzles with a spray angle of 65° to 90° should be used. Avoid applying SUBJECT 240 EC if wind speeds are greater than 5 m/s. If spraying in calm conditions use larger droplets and reduce flying height.

COMPATIBILITY

When SUBJECT 240 EC is applied with compatible herbicides always use a recommended oil. Only use a 100% non-ionic surfactant when mixing with diflufenican based products.

Grass Herbicides: SUBJECT 240 EC is compatible with diclofop methyl, e.g. Imtrade Diclofop-Methyl 375 Selective Herbicide.

Broadleaf Herbicides: Some broadleaf weed herbicides are incompatible with SUBJECT 240 EC because they reduce the effectiveness of SUBJECT 240 EC or because in mixture they may cause crop yellowing.

Incompatible:

The following herbicides are known to be incompatible with SUBJECT 240 EC: Diuron, Triasulfuron, Barrel* (bromoxynil + dicamba + MCPA) and all 2,4-D formulations. Herbicides which are incompatible with SUBJECT 240 EC must be applied separately. In this situation, apply SUBJECT 240 EC first and then allow at least 10 days between its application and application of the broadleaf weed herbicide.

Insecticides: SUBJECT 240 EC is compatible with Methidathion.

RESISTANT WEEDS WARNING

GROUP 1 HERBICIDE

SUBJECT 240 EC is a member of the Aryloxyphenoxypropionate (“fop”) group of herbicides. SUBJECT 240 EC has the inhibition of fat (lipid) synthesis, (or inhibitors of acetyl CoA carboxylase) mode of action. For weed resistance management SUBJECT 240 EC is a Group 1 Herbicide. Some naturally-occurring weed biotypes resistant to SUBJECT 240 EC and other Group 1 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 SUBJECT 240 EC or other Group 1 Herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade CropScience accepts no liability for any losses that may result from the failure of SUBJECT 240 EC to control resistant weeds.

Weed biotypes resistant to diclofop-methyl and other “grass specific” herbicides can also often be resistant to SUBJECT 240 EC. Before using SUBJECT 240 EC on a population resistant to or suspected to be resistant to “grass specific” herbicides, have a resistance test conducted to ensure that it is susceptible to SUBJECT 240 EC. Large numbers of healthy surviving weeds can be an indication that resistance is developing. Efforts should be made to prevent seed set of the surviving weeds.

DO NOT make more than one application of a Group 1 Herbicide with the inhibition of fat (lipid) synthesis (or inhibitors of acetyl CoA carboxylase) mode-of-action to a crop in the same season.

If the user suspects that the target weed population is resistant to herbicides with this mode of action, **SUBJECT 240 EC** or other Group 1 Herbicides should not be used. Strategies to minimize the risk of herbicide resistance are available. The above recommendations should be incorporated into an integrated Weed Management (IWM) Program. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary industries, or local Imtrade CropScience representative for details.

PRECAUTIONS

Re-entry Period

DO NOT enter treated areas without protective clothing until the spray has dried.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply on or near shrubs, trees, lawns or crops other than wheat. **DO NOT** drain or flush equipment on or near desirable trees or other plants, where their roots may extend, or in situations where by movement of soil or by seepage absorption of the herbicide may occur.

DO NOT apply under meteorological conditions or from spraying equipment, which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

DO NOT allow spray to drift onto adjacent fallow land.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply to irrigation drains or channels.

DO NOT contaminate dams, streams, creeks and rivers with the chemical, spray mixture, used containers or equipment washings.

STORAGE AND DISPOSAL

The method of disposal of the container depends on the container type. Read the Storage and Disposal instructions on the label that is attached to the container.

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for long periods in direct sunlight.

Non-refillable containers (unless otherwise stated)

Triple rinse containers before disposal. Add rinsings to 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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 and product. **DO NOT** re-use empty container for any other purpose.

Envirodrum - Micro Matic Valve (110L)

Store the closed, original sealed Envirodrum in a well-ventilated area, as cool as possible and locked away from children, animals, food, foodstuffs, seed and fertilisers. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase.

Refillable Containers (1000L only)

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

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid inhaling spray mist. Avoid contact with eyes and skin. When opening the container and preparing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with 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, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. (*Phone Australia 13 11 26; New Zealand 0800 764 766*). If swallowed **DO NOT** induce vomiting. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Additional GHS Hazard & Precautionary Statements

●Combustible liquid; ●May be fatal if swallowed and enters airways; ●May cause respiratory irritation; may damage fertility or the unborn child; ●May cause damage to organs through prolonged or repeated exposure; ●Keep away from heat, sparks, open flames and hot surfaces – No smoking; ●**DO NOT** breathe fumes or vapours; ●**DO NOT** get on clothing; ●Use only outdoors or in a well-ventilated area; ●Contaminated work clothing should not be allowed out of the workplace; ●**IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water; ●**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing; ●If exposed or concerned: get medical advice; ●If skin irritation or rash occurs: Get medical advice; ●If eye irritation persists: Get medical advice; ●Eliminate all ignition sources if safe to do so; ●In case of fire, use carbon dioxide, dry chemical, foam. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used; ●Store locked up.

SAFETY DATA SHEET

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CONDITIONS OF SALE

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*Other Registered Trademarks

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