

2/27/96

PM 23

62719-59

P 1/10

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
236771

Application for Pesticide - Section I

1. Company/Product Number DowElanco/62719-59	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DowElanco/MCP Ester	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) DowElanco 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please refer to attached Registration Notes per PR Notice 95-2

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Larry E. Hammond	Title Product Registration Manager	Telephone No. (Include Area Code) (317) 337-4661
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Product Registration Manager	
4. Typed Name Larry E. Hammond	5. Date February 23, 1996	

MCP Ester

EPA Reg. No. 62719-59

Registration Notes:

Current label text based on EPA-accepted copy dated 05/24/91 and EPA-accepted WPS revisions dated 01/26/94.

Current Label Changes by Notification (02/21/96):

1. Use on flax not included on final printed labeling.

Other Changes Made at this Time by Non-notification (02/21/96):

1. The following moved from General Information section to the Precautionary Statements (Environmental Hazards) section per EPA condition of acceptance in copy dated 05/24/91: (1) EPA-specified groundwater protection statement; (2) "When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.
2. To help differentiate between WPS and non-WPS uses, the heading "Grasses" was deleted and directions for "Established Grasslands" and "Grasses Grown for Seed" were placed under separate headings.

[Editor's note: Added (or moved) text underlined and deleted text denoted by strike-through.]

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[Editor's note: Added (or moved) text underlined and deleted text denoted by strike-through.]
(Base label):

(logo) DowElanco

MCP Ester

**For Selective Control Of Certain Weeds In Wheat, Oats, Barley, Rye, Flax,
Grassland, and in Non-Crop Areas.**

Active Ingredient:

2-methyl-4-chlorophenoxyacetic acid, 2-ethylhexyl ester	74.4%
Inert Ingredients	25.6%
Total	100.0%

Contains the equivalent of 47.7% 2-methyl-4-chlorophenoxyacetic acid; equivalent to 4.0 lb per gallon at 68°F.

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

WARNING

AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Causes Skin Irritation • Harmful If Swallowed • May Cause Allergic Skin Reaction

Do not get on skin or clothing. Avoid contact with eyes. Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as Barrier Lamine, Nitrile Rubber, Neoprene Rubber, or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements

When handlers use enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler's PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

If swallowed: Do not induce vomiting. Call a physician.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as MCP Ester have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCP Ester pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Cleaning of Equipment: When cleaning equipment, do not pour washwaters on the ground. Spray or drain over a large area away from wells and other water sources.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-59
DowElanco • Indianapolis, IN 46268 U.S.A.

EPA Est. 00000-XX-00

Herbicide**Net Contents XXX**

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(Datapack cover):

(logo) DowElanco

MCP Ester

For Selective Control Of Certain Weeds In Wheat, Oats, Barley, Rye, Flax, Grassland, and in Non-Crop Areas.

Active Ingredient:

2-methyl-4-chlorophenoxyacetic acid, 2-ethylhexyl ester	74.4%
Inert Ingredients	25.6%
Total	100.0%

Contains the equivalent of 47.7% 2-methyl-4-chlorophenoxyacetic acid; equivalent to 4.0 lb per gallon at 68°F.

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Herbicide

Net Contents XXX

(Page 1 through end):

Precautionary Statements

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Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements

When handlers use enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

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Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as MCP Ester have been associated with mixing/loading and disposal sites. Caution should be exercised.

when handling MCP Ester pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Cleaning of Equipment: When cleaning equipment, do not pour washwaters on the ground: Spray or drain over a large area away from wells and other water sources.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Storage: Do NOT store in freezing temperatures. If allowed to freeze, remix before using. Do not transport with or store near fertilizers, seeds, insecticides, or fungicides.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

General Use Precautions

Local conditions may affect the use of this chemical. Consult State Agricultural Extension or Experiment Station Weed Specialists for specific recommendations for local weed problems and for information on possible lower dosages.

Avoid spray drifts into susceptible plants such as vegetables, flowers, grapes, tomatoes, cotton, beans, and other legumes, etc. Use coarse sprays as these are less likely to drift.

Do not contaminate water intended for irrigation or domestic use.

Thoroughly clean spray equipment with a suitable chemical cleaner before using for other purposes, or do not use same spray equipment for other purposes.

Do not store in freezing temperatures. If allowed to freeze, remix before using. Do not transport with or store near fertilizers, seeds, insecticides, or fungicides.

Do not apply MCP Ester around houses, recreation sites, or similar areas.

Controls These And Other Weeds

Susceptible (Most Areas): Lambsquarters (Goosefoot), Marsh Elder, Mustards (annual), Puncturevine, Ragweed, Stinkweed (Pennycress, Fanweed), Wild Radish, Yellow Rocket or Wintercress, Cocklebur, Goats Beard, Field Pepper Grass, Dragon Head Mint, Beggarticks, Poison Hemlock, Hempnettle, and Annual Sow Thistle.

Less Susceptible: Buttercups, Canada Thistle, Dandelions, Plantains; Stinging Nettle, Perennial Sow Thistle, Vetch, White Top or Hoary Cress, Russian Pigweed, Sunflower, Chervil, Miner's Lettuce, Purslane, Shepherdspurse, and Kochia.

Selective Spraying

Avoid use of small diameter spray nozzles.

Approved Crops

Wheat, Oats, Barley, and Rye

Apply as water mix spray by ground sprayer or airplane. Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to boot stage. Use up to 3 pints per acre for the less susceptible weeds after crop has tillered and up to early boot stage. Do not forage or graze meat animals on treated areas within seven days of slaughter.

—Flax

Use 1/4 to 1/2 pint per acre. Apply by ground sprayer or by airplane. Use sufficient water to give uniform and adequate coverage. Apply only when weeds are up and when flax is 4 to 8 inches high and before it comes into bud. Treatment after early bud stage may result in severe damage. If Canada thistle is present, it may be necessary to go as high as 3/4 pint per acre to prevent seed head production. Some injury to the flax may result. Do not forage or graze meat animals on treated areas within seven day of slaughter.

—Grasses

Established Grasslands: Use 1 to 3 pints per acre in sufficient water (10 to 100 gallons) by airplane or ground sprayer application and give thorough coverage. Use higher rate for White Top, Canada Thistle, and other less susceptible weeds. Spray perennials in early bud to full bloom stage and regrowth in fall; other weeds in spring or fall, when actively growing.

Grasses Grown For Seed: Use 1 to 2 pints per acre, the higher rate where weed stands are heavy. In established grasses apply in spring before head comes into boot and on seedling grass after grass has tillered.

Note: For weed control in grasses, repeat treatment may be needed for less susceptible weeds. White Clover and other legumes may be temporarily injured or killed. In some areas Bent, Buffalo, Carpet, and St. Augustine grasses may also be injured by the treatment.

Grasses Grown For Seed

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Use 1 to 2 pints per acre, the higher rate where weed stands are heavy. In established grasses apply in spring before head comes into boot and on seedling grass after grass has tillered.

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Established Grasslands

Use 1 to 3 pints per acre in sufficient water (10 to 100 gallons) by airplane or ground sprayer application and give thorough coverage. Use higher rate for White Top, Canada Thistle, and other less susceptible weeds. Spray perennials in early-bud to full bloom stage and regrowth in fall; other weeds in spring or fall, when actively growing.

Non-Crop Spraying Along Fence Rows and Roadsides

Canada Thistle, White Top, and Meadow Buttercup: For spot treatment use 1/4 pint in 3 to 4 gallons of water, or 3/4 gallon per acre in sufficient water to give coverage for most extensive areas. Spray to wet weeds thoroughly when in bud to early bloom and again on fall regrowth. Do not forage or graze livestock on treated areas within seven days of treatment.

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DowElanco MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.