

MAY 24 1991

Larry E. Hammond  
DowElanco  
9002 Purdue Road  
Indianapolis, IN 46268-1189

Dear Mr. Hammond:

Subject: Revised Ingredients Statement  
MCP Ester Herbicide  
EPA Registration No. 62719-59  
Your Submission Dated May 8, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Change the EPA Registration Number to read "EPA Registration No. 62719-59."
- 2) Under the Precautionary Statements, add the sentence "When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources."
- 3) Under the Environmental Hazards, rewrite the statements "Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes" to read "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 or rinsate."

CONCURRENCES

SYMBOL	H7505C							
SURNAME	D. KENNY							
DATE	5/24/91							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

4) Immediately following the Environmental Hazards, add the following groundwater contamination statement:

"Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA 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."

A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above changes.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	D. KENNY						
DATE	5/24/91						

# Specimen Label

# MCP Ester Herbicide

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

, Isooctyl (2-ethylhexyl) ester...

**Active Ingredient(s):**

2-Isooctyl ester of 2-methyl-4-chlorophenoxyacetic acid	74.4%
Inert Ingredients	25.6%

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

E.P.A. Registration No. 464-579

E.P.A. Est. 464-MI-1

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

### AVISO:

#### PRECAUCION AL USUARIO:

Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

#### 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 • Wash Thoroughly With Soap And Water After Handling • Remove Contaminated Clothing And Wash Before Reuse.

**STATEMENTS OF PRACTICAL TREATMENT:** If on skin: Wash with plenty of soap and water. Get medical attention. 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 contaminate water intended for irrigation or domestic use. This product is toxic to fish. Keep out of lakes, streams, or ponds. Do NOT contaminate water by cleaning of equipment or disposal of wastes.

#### NOTICE

Read the entire label. Use only according to label directions.

Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" elsewhere on this label. If terms are not acceptable, return unopened package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under "WARRANTY LIMITATIONS AND DISCLAIMER."

#### IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

#### AGRICULTURAL CHEMICAL

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 26 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

62719-59

# MCP Ester

**BEST AVAILABLE COPY**

Avoid spray drifts onto 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.

### CONTROLS THESE AND OTHER WEEDS

**Susceptible (Moist 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 Heat Mint, Beggaricks, Poison Hemlock, Hempnettle, 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, Kochia.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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

### SELECTIVE SPRAYING

Avoid use of small diameter spray nozzles.

### Wheat, Oats, Barley and Rye

Apply as a 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 spray from boot to dough 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 days of slaughter.

### Grasses

**Established Grassland** - 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 bud and on seedling grass after grass has tillered.

**NOTE:** In 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 treatment.

### Non-Crop Spraying Along Fence Rows and Roadsides

Canada Thistle, White Top and Meadow Buttercup - For spot treatment, use 1/4 pint to 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.

### 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.

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.

### WARRANTY LIMITATIONS AND DISCLAIMER

The Dow Chemical Company 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 therein under normal conditions of use. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to, or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing The Dow Chemical Company of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY of The Dow Chemical Company or any other seller will be one of the following, at the election of The Dow Chemical Company:

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

The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations And Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations And Disclaimer in any manner.

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