

JUL 31 1992

Dr. Charles S. Baer  
E. I. du Pont de Nemours & Co.  
Barley Mill Plaza, Walker's Mill Building  
P. O. Box 80038  
Wilmington, DE 19880-0038

Dear Dr. Baer:

Subject: Revised labeling; Acute Toxicity Studies  
Du Pont Methomyl Composition  
EPA Reg. No. 352-361  
Your submissions dated July 30, 1991 and Oct. 29, 1991

Revised labeling referred to above, submitted in connection with reregistration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the following comments:

1. Deletion of use on watercress is acceptable.
2. We concur with your rationale for waiver from eye irritation testing based on mortality in the rangefinding study, and an eye irritation test is not required at this time. Toxicity category I for primary eye irritation is assumed for this product.
3. The primary dermal irritation study is not acceptable and must be repeated because the test animals used in this study were simultaneously used in a dermal irritation for Methomyl Technical. This practice is in violation of Good Laboratory Practices (GLP). Further reuse of test animals in acute toxicity will lead to a supplementary classification of the study and result in the study having to be repeated.
4. The dermal sensitization study is acceptable as core guideline data and this product is considered a non-sensitizer.
5. You need to submit or cite the following studies for this product: acute oral toxicity, acute inhalation toxicity, primary skin irritation.

6. Revise the first sentence under Precautionary Statements to read as follows: "May be fatal if swallowed, inhaled or absorbed through skin or eyes."

7. Under Important Notice to Handlers the term "goggles" should be changed to "goggles or face shield". Also change the last sentence to read: "Wash thoroughly after handling and before eating, drinking or using tobacco. Remove and wash contaminated clothing before reuse."

8. The Statement of Practical Treatment for eye and skin exposure should be revised to add: "If in eyes: Call a physician or poison control center immediately."

9. Add "Get medical attention." or "Call a physician or poison control center." to statement of practical treatment for inhalation exposure.

Submit five (5) copies of final printed label before you release the product for shipment bearing the amended labeling.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

*DHE*

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide Rodenticide Branch  
Registration Division (H7505C)

KUN1



NET 50 kg (110.23 LBS.) CANBAM...IE PES  
[90% METHOMYL]  
RQ

# METHOMYL COMPOSITION

An Insecticide for Formulating Use Only

## INGREDIENT STATEMENT

ACTIVE INGREDIENTS: Methomyl

(S-Methyl N-[(methylcarbamoyl)oxy]thioacetimidate) . . . . . 90%

INERT INGREDIENTS . . . . . 10%

EPA Est. 352-TX-1

EPA Reg. No. 352-361

Keep out of reach of children

**DANGER** **POISON**

## STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove from exposure and have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. Never give anything by mouth to an unconscious person.

In case of contact, wash skin with plenty of soap and water; for eyes, flush with water for 15 minutes and get medical attention; remove and wash contaminated clothing before reuse.

**ATROPINE IS AN ANTIDOTE — SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING**

In warning symptoms appear (see WARNING SYMPTOMS in opposite column), get medical attention.

For medical emergencies involving this product, call toll free 1-800-441-3637.

## STORAGE AND DISPOSAL

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home.

**DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Completely empty line, b, shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then, dispose of line in a sanitary landfill or by incineration if allowed by state and local authorities. If line is contaminated and cannot be reused, dispose of in the same manner.

## IMPORTANT — NOTICE TO HANDLERS

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. BEFORE OPENING DRUM PUT ON PROTECTIVE CLOTHING, GOGGLES, AND A MASK OR RESPIRATOR JOINTLY APPROVED BY THE MINE SAFETY AND HEALTH ADMINISTRATION (FORMERLY THE U.S. BUREAU OF MINE) AND BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH. WEAR CLEAN CLOTHING DAILY. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING.

Technical information for this product is available from the manufacturer on request.

48-485 7071

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER** **POISON**

MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE EYES.  
POISONOUS IF INHALED.

Do not breathe vapors. Do not get in eyes, on skin, or on clothing.

## NOTE TO PHYSICIAN

**WARNING SYMPTOMS:**—Methomyl poisoning products effects associated with a cholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

**TREATMENT:**—Atropine sulfate should be used for treatment. Administer repeat doses, 1.2 to 2.0 mg intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use morphine or 2-PAM. However, for exposure to methomyl and organophosphorus insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment as described above.

## ENVIRONMENTAL HAZARD STATEMENT

This product is toxic to fish, birds and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless the product is specifically designed and approved in the NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. Use with adequate ventilation.

## DIRECTIONS FOR USE

Formulators using this product are responsible for obtaining EPA registration of their formulated product. For formulation and end-use insecticide products intended only for the following:

**Terrestrial Food Crops:** alfalfa, amaranth, apple, asparagus, avocado, barley, beans (field and subterranean), beets (roots and tops), blueberries, blueberry brodiaea, broccoli, brussels sprouts, cabbage, carrot, cauliflower, celery, chervil, Chinese broccoli, Chinese cabbage, collards, corn (field sweet and pop), cotton, cucumber (cucurbit), dandelions, eggplant, endive (escarole), garlic, grapefruit, grapes, horseradish, Jerusalem artichoke, kale, lemon, lentils, lettuce (including leaf lettuce), melons, mint, mustard greens, nectarines, oats, onion (bulb and green), orange, parsley, peach, peanuts, pear, peas, pecan, pepperoni, peppers, pomogranate, potato, radish, rye, sorghum, soybeans, spinach, strawberry, sugar beet, summer squash, sweet corn, sweet potato, sweet cherry, tangarilla, tangarilla, tomato, turnip, turnip greens, wheat.

**Terrestrial Nonfood Crops:** tobacco (excluding shade grown), chrysanthemums, gladiolus, ornamental flowers (seed crop), ornamental trees and shrubs, ornamental plants (nursery stock), rose.

**Greenhouse Food Crops:** tomato, bell peppers.

**Greenhouse Nonfood Crops:** ornamental plants.

**Indoor Nonfood Uses:** dog kennels, fur-bearing animal units, farm buildings, poultry houses, commercial, industrial and institutional areas (outdoor), sewing establishments (outdoor), food processing, handling and storage plants (outdoor), garbage areas, garbage cans, trash bins, meat processing plants (nonfood areas), poultry processing plants (nonfood areas).

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E. I. DU PONT DE NEMOURS AND COMPANY, AGRICULTURAL PRODUCTS, WILMINGTON, DELAWARE

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