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19713-330

9/28/98

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 28 1998

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Luz G. Chan
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Dear Ms. Chan:

Subject: Deletion of Unsupported Malathion Uses
Malathion 50% Emulsifiable
EPA Reg. No. 19713-330
Labeling Submitted November 7, 1997
Federal Register Notice of March 18, 1991

The label amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Qualify the front panel claim for use on premises to read, "on the outside of premises."
2. Specify the 20 day pre-harvest interval for cherries as it appeared on your previously submitted proposed label and as it now appears on the current registered label for the product.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

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

You are advised that the alternate formulation submitted with your Notification of February 19, 1998, is not acceptable. If you wish to pursue registration of the alternate formulation, you must address any generic data requirements that may have been imposed on the product under FIFRA 3(c)(2)(B) and FIFRA section 4 because you would no longer be eligible for the formulator's exemption.

Your Formulator Exemption Statement, EPA Form 8570-27 which was submitted with your notification of February 19, 1998 is not acceptable since the product cited in item four of the Statement does not meet the formulator's exemption criteria. You are reminded that to qualify for the formulator's exemption, your source product must be a registered product and must be purchased by Drexel from another producer.

Sincerely,



Marilyn A. Mauz
Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 28 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
19713-330

Drexel

Malathion 50%

Emulsifiable

Deodorized Insecticide/Miticide

A 50% Malathion spray concentrate for residual control of flies,
including resistant flies and fly maggots on premises.

ACTIVE INGREDIENT:

Malathion* 50.0%

INERT INGREDIENTS** 50.0%

TOTAL: 100.0%

* O,O Dimethyl Dithiophosphate of diethyl mercaptosuccinate
** Contains Aromatic Petroleum Derivative Solvent

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Statement of Practical Treatment Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-330
EPA Est. No. 19713-GA-1

Net Contents: _____

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites or gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration pneumonia.

IF IN EYES: Immediately flush eyes with plenty of water and get medical attention.

IF ON SKIN: Immediately remove contaminated clothing, INCLUDING SHOES and wash skin with soap and plenty of water. If irritation develops, send for a physician.

NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine (1/100 grain tablets) is antidotal.

MALATHION IS AN ORGANOPHOSPHATE INSECTICIDE/MITICIDE.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Some materials that are chemically-resistant to this product are listed below. If you want more options, follow the instructions for category "G" on an EPA Chemical resistant category selection chart.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Viton, and shoes plus socks.

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.

USER SAFETY RECOMMENDATIONS

User should: (1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. (2) 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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 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, 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 (REI). 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 12 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, chemical-resistant gloves, such as Barrier Laminate or Viton, and shoes plus socks.

AS A RESIDUAL SPRAY, for control of flies around the outside of farm buildings, mix with water only according to chart below, and apply as follows: Spray surfaces where flies gather. Wet thoroughly to a point of runoff.

TO KILL FLY MAGGOTS, drench around garbage cans and adjacent areas. One quart of finished spray will cover approximately 200 sq. ft. Repeat applications as necessary.

Amount of Malathion 50%	Amount of Water
3 Tablespoons	3 Pints
8 Fluid Ounces	3 Gallons
1 Pint	6 Gallons

Manure and other waste material should be removed from fly breeding areas at frequent intervals.

AGRICULTURAL DIRECTIONS

Make thorough, full-coverage spray applications. Consult local agricultural authorities for proper timing.

BEANS: To control Mexican bean beetles, make two or more applications as needed, of a spray containing 1½ pints per 100 gallons of water.

To control Spider mites, make two or more applications as needed, of a spray containing 1 to 1½ pints per 100 gallons of water. Do not apply within 10 days of harvest. Do not graze treated fields or feed treated forage or hay to livestock.

CABBAGE, BROCCOLI, KALE, MUSTARD AND TURNIPS: To control Aphids, Imported cabbageworms and Cabbage loopers, apply 1 to 2 pints in 100 gallons of water. Make full-coverage applications, repeated as necessary. Do not apply within 10 days of harvest.

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

POTATOES: To control *Aphids*, make one or more applications, as needed, of spray containing 1 pint per 100 gallons of water. Do not apply within 10 days of harvest.

CUCUMBERS AND SQUASH: To control *Aphids* and *Spider mites*, use 1½ pints per 100 gallons of water. Repeat applications as necessary. Apply ONLY when plants are dry. Do not apply within 10 days of harvest.

COTTON: To control *Aphids* and *Spider mites*, make two or more applications, as needed, of spray containing 1 to 1½ pints per acre. Do not apply within 7 days of picking.

SEED ALFALFA: To control *Pacific mites*, *Two-spotted mites* and *Aphids*, use 1½ to 2 pints in 50 to 100 gallons water per acre by ground sprayer or in 10 gallons of water per acre by aircraft. Do not apply within 21 days of harvest.

TOMATOES: To control *Spider mites*, make one or more applications, as needed, of a spray containing 1½ pints per 100 gallons of water. To control *Aphids* make one application of spray containing 1 pint per 100 gallons of water. Do not apply within 10 days of harvest.

PEAS: To control *Pea aphids*, make one or more applications, as needed, of a spray containing 1½ pints per acre. Do not apply within 14 days of harvest. Do not graze treated fields or feed treated forage or hay to livestock.

ORNAMENTALS: Make thorough, full-coverage sprays with repeated applications as necessary. For *Scales*, apply when crawlers have settled on foliage. Injury may occur on certain Ferns, including Boston maidenhair and ptens, as well as some species of *Crassula*.

Apply 1 pint per 100 gallons of water to control *Lacebugs* and *Oyster shell scale*. Apply 1½ pints per 100 gallons of water to control *Aphids*, *Spider mites*, *Whiteflies*, *Mealybugs*, *Thrips*, *Japanese beetle adults*, *Four-lined leaf bugs*, *Tarnished plant bugs*, *Rose leafhoppers*, *Potato leafhoppers*, *European pine shoot moths*, *Scurfy scale* and *Euonymus scale*.

Apply 2 pints per 100 gallons of water to control *Bagworms*, *Tent caterpillars*, *Birch leaf miners*, *Boxwood leaf miners*, *Oak kermes*, *Juniper scale*, *Fletcher scale*, *Florida red scale*, *Azalea scale*, *Magnolia scale* and *Pine needle scale*. Apply 2½ pints per 100 gallons of water to control *Soft brown scale*, *Monterey pine scale* and *Black scale crawlers*.

Apply 4 pints per 100 gallons of water to control *Pine needle scale*.

PEACHES: To control *Oriental fruit moths* and *Plum curcullos*, use 2 pints per 100 gallons of water. Repeat applications as necessary. Do not apply within 14 days of harvest.

CHERRIES: To control *Black cherry aphids* and *Fruit tree leaf rollers*, use 1½ pints per 100 gallons of water. Repeat applications if necessary. Injury may occur on certain varieties of sweet cherries, particularly in the Northwest. Do not apply within 10 days of harvest.

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STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Avoid storage at high temperatures. Do not stack over 2 pallets high. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with water and soap to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Do not allow run off to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below.

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 incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.