



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

AUG 1 2001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

James L. Kunstman  
Manager, Insecticide Registrations  
Bayer Corporation  
Agriculture Division  
8400 Hawthorn Road  
P.O. Box 4913  
Kansas City, MO 64120-0013

Subject: Amendment - Final Label Revisions and Use Deletions  
Di-Syston 68% Concentrate Insecticide  
EPA Registration No. 3125-158  
Your submission dated July 23, 2001

Dear Mr. Kunstman:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, subject to the comments listed below. A stamped copy of the label is enclosed for your records.

1. Change the heading "Statement of Practical Treatment" to "First Aid."
2. Update your "Precautionary Statements" section to read "Fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Wear clean, heavy, natural rubber gloves and clean waterproof protective clothing (coveralls, rubber boots, cap, etc.). Destroy and replace gloves frequently. Bathe immediately after work and change all clothing."
3. Please update your respirator requirements in accordance with PR Notice 98-9.
4. EPA has issued PR Notice 2001-1 revising first aid statements. The following are revised statements and headings that are required for products placed in toxicity category III and above. These statements are required to be added to labels by October 1, 2001. Please revise your label accordingly.

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"IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center for treatment advice.

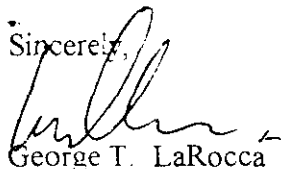
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment."

In the "To Physician" section of your label, please add the following information to this section: Company telephone number to specific medical personnel who can provide specialized medical advice.

If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.

Sincerely,

  
George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

Enclosure

cc: Christine Scheltema, SRRD

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# Di-Syston® 68%

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

3125-158

## Concentrate Insecticide

For formulating garden products.  
An insecticide for formulating use.

ACTIVE INGREDIENT:

Disulfoton, O,O-Diethyl S-[2-(ethylthio)ethyl]-  
phosphorodithioate ..... 68%

INERT INGREDIENTS: ..... 32%  
100%

EPA Reg. No. 3125-158

EPA Est. 3125-MO-1

Net Contents: \_\_\_\_ Pounds

**STOP - Read the label before use.**  
**Keep out of reach of children.**

**POISON**

**DANGER**



**PELIGRO**

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.)

### STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning call a physician immediately. Have patient lie down and keep quiet. **If swallowed**, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz or 15 mL) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately. **If on skin**, remove contaminated clothing and wash skin immediately with soap and water. Get medical attention immediately. **If in eyes**, wash with flowing water. Get medical attention immediately. **If inhaled**, remove victim to fresh air. Apply artificial respiration if necessary. Get medical attention immediately.

**SYMPTOMS OF POISONING:** A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

**To Physician: ANTIDOTE** - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop

in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: POISONOUS BY SKIN CONTACT OR IF INHALED OR SWALLOWED. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS.**

Do not breathe fumes. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II.

Do not get in eyes or on skin. Wear clean, heavy, natural rubber gloves and clean, waterproof, protective clothing (coveralls, rubber boots, cap, etc). Destroy and replace gloves frequently. Bathe immediately after work and change all clothing.

**HANDLING OF CONTAMINATED ARTICLES:** Clothing and rags receiving undiluted DI-SYSTON 68% Concentrate as a result of leaks, spills, or mishaps should be removed immediately and not reused. These contaminated articles should be disposed of in the same manner as the empty container; see Container Disposal section for directions. (Contaminated articles which should be discarded would include: hats, gloves, aprons, coats, boots, etc. not made of rubber or coated with rubber or other similar materials). Protective clothing and equipment should be washed down with detergent or soap and bleach in water. Wash water from the cleaning of protective clothing or equipment should not be allowed to run off or otherwise enter water supplies.

In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and warm water.

In case of spillage, cover with an absorbent such as soda ash, clay, or sawdust. Sweep up and bury. Wash area thoroughly with strong lye solution.

Wash hands, face, and arms thoroughly with soap and warm water before eating or smoking. Keep all unprotected persons out of the operating area or vicinity. Do not contaminate feed or foodstuffs.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## DIRECTIONS FOR USE

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

Only for formulation into an insecticide, for

(1) the following uses:

Terrestrial, non-domestic, food uses on: Asparagus [24(c)], barley, beans (dry, snap, lima), broccoli, Brussels sprouts, cabbage, cauliflower, clover [24(c)], coffee, cotton, lentils, lettuce, peanuts, peas, peppers, potato, sorghum, soybeans, and wheat.

Terrestrial, non-domestic, non-food uses on: Tobacco and ornamentals (herbaceous plants, woody shrubs, trees).

Domestic outdoor uses on: Ornamentals (herbaceous plants, woody shrubs, trees).

(2) uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and

(3) uses for experimental purposes that are in compliance with USEPA requirements.

### DRUM HANDLING

1. Handle drums carefully so as to avoid damage and prevent leakage.
2. Store drums in a cool, well-ventilated place.
3. Open drums only when set on end and under a ventilated hood. Unscrew bungs slowly to release any internal pressure. Then fit both bungs with valves.
4. To empty drums, connect one valve to an open vent pipe and the other to a closed storage or impregnation system.
5. Drums that have contained DI-SYSTON 68% Concentrate are reusable drums. Refer to STORAGE AND DISPOSAL STATEMENTS on this label.

BAYER CORPORATION DISCLAIMS ALL LIABILITY BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT TORT LIABILITY, OR ANY OTHER THEORY OF LIABILITY FOR CROP DAMAGE OR FAILED EFFICACY RESULTING FROM THE USE OF THIS BAYER CORPORATION PRODUCT AS AN INGREDIENT IN ANY FORMULATION WITH A USE NOT SPECIFICALLY LISTED ON THIS LABEL.

Detailed formulating recommendations for DI-SYSTON 68% Concentrate are contained in a manual available on request from Bayer. Obtain and read this manual before undertaking the formulation of DI-SYSTON 68% Concentrate to gain knowledge of physical and chemical properties, to avoid formulation hazards, and to assure a satisfactory finished product. This product is recommended for impregnation of inert granules, dry fertilizer, etc. For specific information on federally registered uses for DI-SYSTON 68% Concentrate, contact Bayer. Any variance from the federally registered labeling for products containing DI-SYSTON 68% Concentrate will have to be supported by data provided by the formulator.

Bayer Corporation  
Crop Protection  
Box 4913  
Kansas City, MO 64120-0013  
(800) 842-8020  
<http://uscrop.bayer.com>

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. Wash area with strong lye solution. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244 or contact Chemtrec at 800-424-9300.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, or rinsate 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.

**Container Disposal:** Drums that have contained DI-SYSTON 68% Concentrate are reusable drums. Do not rinse drums. Do not break seals. Replace the dust cover cap and return drums intact to point of purchase.

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