

264-725

04/15/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Sherry Movassaghi, Ph.D.  
Bayer Crop Science  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

APR 15 2008

Dear Dr. Movassaghi:

Subject: Revisions per Agency's Notice of Reregistration dated May 9, 2007  
DiSystem Technical Insecticide  
EPA Reg. No. 264-725  
Your submission dated March 31, 2008

The labeling referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(A), is acceptable and a stamped copy of the label is enclosed for your convenience in obtaining state registrations. The Agency notes, however, two variations from the wording presented in the May 9, 2007 Notice of Reregistration. Specifically: in the Hazards to Humans and Domestic Animals text, please revise "chemical-resistance (natural rubber) gloves" to read "chemical-resistant (natural rubber) gloves" and revise "chemical-resistance footwear (rubber boots)" to read "chemical-resistant footwear (rubber boots)".

Please incorporate these revisions in the actual printed finished labeling if printing has not yet occurred, or at the next label printing if printing of the finished label has already occurred. Please forward two copies of final printed labeling incorporating the above revisions as soon as possible, so that they will be available for the Agency's Registration Review process for this chemical. Thank you for your cooperation in this matter.

Sincerely,

*Dana R. Pihitt*

for

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

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# Di-Syston® Technical Insecticide

An insecticide for formulating use.

**ACTIVE INGREDIENT:**

Disulfoton, O,O-Diethyl S-[2-(ethylthio)ethyl]phosphorodithioate ..... 97.62%

**INERT INGREDIENTS:** ..... 2.38%  
100.0%

Atropine sulfate is antidotal. Consult physician for emergency supply.

EPA Reg. No. 264-725

EPA Est. No.



**STOP – Read the label before use.**  
**KEEP OUT OF REACH OF CHILDREN**  
**DANGER POISON**  
**PELIGRO**



**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
APR 15 2008**

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.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
264-725**

### FIRST AID

Contains an organophosphate that inhibits cholinesterase.

If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note To Physician:** This product is extremely toxic by all routes of exposure (oral, dermal, inhalation, eye irritation, and skin irritation).  
**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. Probable mucosal damage may contraindicate the use of gastric lavage.

**Symptoms of Poisoning:** A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Fatal if swallowed, inhaled, or absorbed through the skin. Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a pesticide respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter. Wear clean, heavy chemical-resistance (natural rubber) gloves and clean waterproof protective clothing (coveralls, socks, chemical-resistance footwear (rubber boots), cap, and eyewear). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse. Destroy and replace gloves frequently. Bathe immediately after work and change all clothing.

**HANDLING OF CONTAMINATED ARTICLES:** Clothing and rags receiving undiluted DI-SYSTON Technical 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 material.) 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 runoff or otherwise enter water supplies.

## ENVIRONMENTAL HAZARDS

This chemical is extremely toxic to birds, mammals, fish and aquatic invertebrates. 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.

This container is dangerous if evidence of leakage is present.

Read Precautionary and Storage and Disposal Statements and handle with extreme care, observing all precautions recommended.

## 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/miticide, for the following uses:

- (1) Terrestrial, non-domestic, food uses on: Asparagus, beans (snap, lima), broccoli, Brussels sprouts, cabbage, cauliflower, radish grown for seed, coffee, cotton, lettuce, peppers.
- (2) Terrestrial, non-domestic, non-food uses on: Fir Trees (Christmas trees).
- (3) Domestic outdoor uses on: consumer roses and flowers.
- (4) uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- (5) uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for specific use (s) not listed on MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use (s).

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE 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 CROPSCIENCE PRODUCT AS AN INGREDIENT IN ANY FORMULATION WITH A USE NOT SPECIFICALLY LISTED ON THIS LABEL.

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

## 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 Technical are either disposable or reusable drums. Refer to STORAGE AND DISPOSAL STATEMENTS on this label.

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DI-SYSTON Technical  
Insecticide  
EPA Reg. No. 101-108-01  
EPA Est. No. 101-108-01-0001  
EPA Est. No. 101-108-01-0002  
EPA Est. No. 101-108-01-0003  
EPA Est. No. 101-108-01-0004  
EPA Est. No. 101-108-01-0005  
EPA Est. No. 101-108-01-0006  
EPA Est. No. 101-108-01-0007  
EPA Est. No. 101-108-01-0008  
EPA Est. No. 101-108-01-0009  
EPA Est. No. 101-108-01-0010  
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EPA Est. No. 101-108-01-0012  
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EPA Est. No. 101-108-01-0099  
EPA Est. No. 101-108-01-0100

