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45639-168

4/30/98

Revised: 04/01/98

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# THIODAN® TECHNICAL

An Insecticide For Formulating Use Only

**ACTIVE INGREDIENT:**

Endosulfan (Hexachlorohexahydromethano-2,4,3-benzodioxathiepin-3-oxide)...95%

**INERT INGREDIENTS:** .....

TOTAL 5%  
100%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO  
POISON**

**ACCEPTED**  
APR 30 1998  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 45639-168

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water. Get medical attention.

**IF IN EYES:** Flush eyes for at least 15 minutes with water. Call physician immediately.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to a person who is unconscious or convulsing.

**NOTE TO PHYSICIANS:** Endosulfan is a central nervous system stimulant absorbable by mouth, inhalation, or through contact with skin. It may cause convulsions. There is no specific antidote. Diazepam I.V. is the drug of choice. Barbituric acid derivatives such as Phenobarbital may be used additionally. A neuromuscular blocking agent may be used if convulsions persist. This type of drug may be used only if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated.

In case of Medical Emergencies of Health and Safety Inquiries, or in Case of Fire, Leaking, or Damaged Containers, Information may be Obtained by Calling (800) 228-5639 Extension 202.

See other panels for additional precautionary information.

EPA REG. NO.: 45639-168  
EPA EST. NO.:

NET CONTENTS:

AgrEvo USA Company  
2711 Centerville Road  
Wilmington, DE 19808

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**DANGER**

Fatal if swallowed, inhaled or absorbed through skin. Do not breathe vapors. Do not get in eyes, on skin or on clothing. During formulating and loading operations wear clean synthetic rubber gloves, protective clothing (such as coveralls, socks and shoes), protective eyewear, and a pesticide respirator with either 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). Wash thoroughly with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and other wildlife.

Do not discharge effluent containing this product directly 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry, well ventilated place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. The solid technical is sensitive to moisture, acids, and bases. Decomposition will generate sulfur dioxide and endosulfan alcohol. Care should be exercised by workers entering the storage area since there is a possibility that sulfur dioxide may be present. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

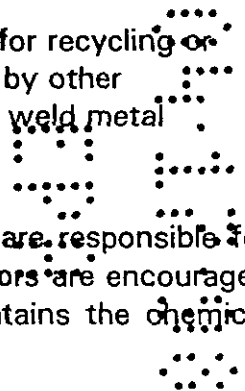
**In case of spill:** avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

**To confine spill:** If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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:** 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. Do not cut or weld metal containers.

**FORMULATOR INFORMATION:** Formulators using this product are responsible for obtaining EPA registration for their formulated products. Formulators are encouraged to contact AgrEvo for the Thiodan® Technical Bulletin which contains the chemical and physical data for the technical.



This Product May Be Used Only in the Formulation of Insecticide Products Approved by the Environmental Protection Agency for One or More of the Following Use Categories:

Outdoor Ornamental Use:

Ornamental Plants

Ornamental Trees and Shrubs

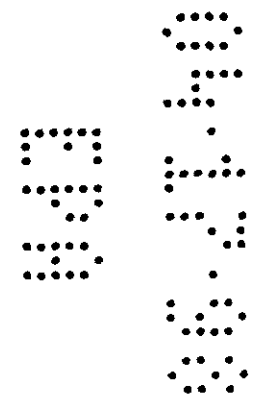
- i.e., Boxelder
- Dogwood
- Lilac
- Douglas Fir
- Pines (Austrian, Jack, Red, Scotch, White)
- Shade Trees (except Birch)
- Spruce
- Taxus

Greenhouse Use:

- Ornamental Plants
- Tomatoes

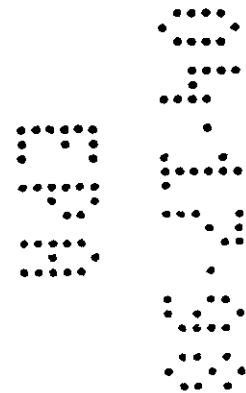
Outdoor Fruit and Nut Crops:

- Almonds
- Apples
- Apricots
- Blueberries
- Cherries
- Cherry Nursery Stock Dip
- Citrus (Non-Bearing Trees & Nursery Stock)
- Filberts
- Grapes
- Macadamia Nuts
- Nectarines
- Peaches
- Peach Nursery Stock Dip
- Pears
- Pecans
- Pineapples
- Plums
- Plum Nursery Stock Dip
- Prunes
- Strawberries
- Walnuts



Field and Vegetable Crops:

- Barley
- Beans (Succulent & Dry, except lima)
- Broccoli
- Brussels Sprouts
- Cabbage
- Carrots
- Cauliflower
- Celery
- Collards
- Corn, sweet (for fresh vegetable use only)
- Cotton
- Cucumbers
- Eggplants
- Kale
- Lettuce
- Melons
- Mustard Greens
- Oats
- Peas (Succulent)
- Peppers
- Potatoes
- Pumpkins
- Rape Seed
- Rye
- Spinach
- Squash (Summer and Winter)
- Sugarcane
- Sweet Potatoes
- Tea
- Tobacco
- Tomatoes
- Turnip Greens
- Wheat



Thiodan is a registered trademark of Hoechst Ag.

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**IMPORTANT: READ BEFORE USE**

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risk associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose, tort), negligence, strict liability or otherwise.

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