

Reviewed. Do not use in accordance with...  
EPA Reg. No. 279-2735 EPA Est., 279-

Code 31111

Net Contents

# Thiodan® Pyrenone® C.O. EC

## Insecticide

For Agricultural or Commercial Use Only

Active Ingredients:	By Wt.
Endosulfan (Hexachlorohexahydromethano-2,4,3-benzodioxathiepin oxide) .....	23.15%
Pyrethrins .....	0.18%
*Technical piperonyl butoxide .....	1.80%
Inert Ingredients: ** .....	74.87%
	100.00%

This product contains 2 pounds Endosulfan ("Thiodan"), 0.25 ounce Pyrethrins, and 2.5 ounces piperonyl butoxide (Butacide\*) per gal. \*Consists of 1.44% (butylcarbityl) (6-propylpiperonyl) ether and 0.36% of related compounds.

\*\* Contains xylene range aromatic Solvents

**KEEP OUT OF REACH OF CHILDREN**

### WARNING

### AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

#### STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician immediately. Drink one or two glasses of water or one ounce of syrup of ipecac, if available, 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 an unconscious person.

If inhaled: Remove victim to fresh air. Apply respiration if indicated.

If on skin: remove contaminated clothing and wash contaminated skin with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Note to Physician: Endosulfan is a central nervous system stimulant. Treat symptomatically. There is no specific antidote.

For Emergency Assistance Call 716-735-3765

See Other Panels for Additional Precautionary Information.

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# FMC

FMC Corporation  
Agricultural Chemical Group  
Philadelphia PA 19103

Based on SAL-3/11/81 + LIP for Chemigation

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans (& Domestic Animals)

**Warning**  
Hazardous if swallowed, inhaled or absorbed through skin! Do not breathe spray mist. Do not get in eyes, on skin or on clothing. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes, get medical attention. Wash thoroughly with soap and water after handling and before eating or smoking; wear clean clothing. During commercial or prolonged exposure in spray-mixing and loading operations, wear clean synthetic rubber gloves. Wear a 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 11. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals.

##### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Keep out of lakes, ponds and streams. Apply this product only as specified on the label. This product is toxic to bees and should not be applied when bees are actively visiting the area. Do not apply where runoff is likely to occur. Do not allow this material to drift onto neighboring crops or non-crop areas or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

##### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

##### 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 through any type of irrigation system.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Inform workers of areas or fields that may not be entered without specific protective clothing, period of time that must be vacated and appropriate actions to take in case of accidental exposure. An example of such information is given under written warnings. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

##### WARNING

Area treated with Thiodan® Pyrenone® C.O. EC on (insert date). Do not enter without appropriate protective clothing for 24 hours (insert State Department of Agriculture's re-entry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

## STORAGE AND DISPOSAL

### Pesticide Storage

Do not store in or around the home.

Do not store below 20°F. (-7°C).

Do not use or store near heat, open flame or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. 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. Call FMC collect: (716) 735-3765.

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.

## ENDANGERED SPECIES RESTRICTIONS

The following restrictions apply to use of this product after February 1, 1988.

Before using this pesticide on corn in the counties listed below, you must obtain the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES for the county in which the product is to be used. The bulletin is available from your County Extension Agent, State Fish and Game Office, or your pesticide dealer. Use of this product in a manner inconsistent with the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES is a violation of Federal laws.

### Alabama

Colbert, Greene, Jackson, Lamar, Lauderdale, Limestone, Madison, Marshall, Morgan, Pickens and Sumter

### Arizona

Graham, Maricopa, Mohave, Pima, Pinal and Santa Cruz

### Arkansas

Benton, Clay, Clark, Cross, Lawrence, Lee, Poinsette, Polk, Randolph, Sharp and St. Francis

### California

Butte, Colusa, Glenn, Imperial, Inyo, Kern, Los Angeles, Merced, Modoc, Orange, Riverside, Sacramento, San Bernardino, San Diego, Santa Barbara, Solano, Stanislaus, Sutter, Tehama, Ventura and Yolo

### Florida

Alachua, Baker, Bradford, Brevard, Broward, Charlotte, Citrus, Clay, Collier, Columbia, Dade, De Soto, Dixie, Duval, Flagler, Gadsden, Gilchrist, Glades, Hardee, Hendry, Hernando, Highlands, Hillsborough, Indian River, Jefferson, Lafayette, Lake, Lee, Leon, Levy, Madison, Manatee, Marion, Martin, Monroe, Nassau, Orange, Okechobee, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, St. Johns, St. Lucie, Sarasota, Seminole, Sumter, Suwannee, Taylor, Union, Volusia and Wakulla

### Georgia

Brantley, Bryan, Bulloch, Burke, Camden, Candler, Charlton, Chatham, Effingham, Emanuel, Evans, Glascock, Glynn, Jefferson, Jenkins, Johnson, Liberty, Long, McIntosh, Pierce, Richmond, Scriven, Ware, Washington and Wayne

### Kansas

Clark, Comanche, Meade and Stafford

### Kentucky

Ballard, Butler, Edmundson, Green, Hart, Jackson, Laurel, Livingston, Marshall, McCracken, McCreary, Pulaski, Rockcastle, Taylor, Warren and Wayne

### Mississippi

Claiborne, Copiah, Hinds, Itawamba, Lowndes, Monroe and Noxubee

### Missouri

Barry, Benton, Camden, Christian, Dallas, Greene, Hickory, Jasper, Lawrence, Miller, Newton, Osage, Polk, St. Clair, Stone and Webster

### Montana

Garfield, McCone, Sheridan and Valley

### Nebraska

Boyd, Brown, Buffalo, Butler, Cass, Cedar, Colfax, Dawson, Dodge, Douglas, Hall, Hamilton, Holt, Howard, Kearney, Keya Paha, Knox, Merrick, Nance, Phelps, Platte, Polk, Rock, Sarpy and Saunders

### Nevada

Clark

### New Mexico

Chaves, DeBaca and Eddy

### North Carolina

Edgecombe, Nash and Pitt

### North Dakota

Benson, Bottineau, Burke, Burleigh, Divide, Dunn, Eddy, Emmons, Foster, Kidder, Logan, McHenry, McIntosh, McKenzie, McLean, Mercer, Morton, Mountrail, Nelson, Oliver, Pierce, Ramsey, Renville, Rolette, Sheridan, Sioux, Stutsman, Towner, Ward, Wells and Williams

### Ohio

Pickaway

### Oklahoma

Delaware, McCurtain and Pushmataha

### Oregon

Lake

### South Carolina

Aiken, Barnwell, Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Hampton, Horry, Jasper and Marion

### South Dakota

Clay, Haakon, Hughes, Potter, Stanley, Sully, Union, Watworth, Yankton and Ziebach

### Tennessee

Bedford, Blount, Claiborne, Decatur, Franklin, Hancock, Hardin, Hawkins, Hickman, Knox, Lawrence, Lincoln, Loudon, Marshall, Maury, Meigs, Monroe, Rhea, Roane, Scott, Sequatchie, Smith, Sullivan, Trousdale and Wayne

### Texas

Aransas, Austin, Bastrop, Burleson, Cameron, Colorado, Comal, Fort Bend, Goliad, Harris, Hays, Jeff Davis, Pecos, Reeves, Tarrant and Victoria

### Utah

Utah and Washington

### Virginia

Lee, Russell, Scott, Smyth, Tazewell, Washington and Wise

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. Do not use in undiluted form. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides.

When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. By ground, use a minimum of 25 gallons of water per acre. Where more than 2 quarts of this material are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Thiodan Pyrenone C.O. EC used. Observe days interval between last application and harvest indicated by number in ( ) following the crop.

**Artichokes (7):** Artichoke Aphid, Green Peach Aphid—1½ to 2 quarts per acre. Artichoke Plume Moth—2 quarts per acre.

**Beans, Dry and Succulent (3):** Bean Leaf Skeletonizer, Black Bean Aphid, Cucumber Beetle, Green Stink Bug, Mexican Bean Beetle—1 to 2 quarts per acre. Do not make more than 3 applications. Do not feed treated threshings to livestock or allow to graze in treated fields. Do not use on lima beans as injury may result.

**Broccoli (7), Brussels Sprouts (14), Cabbage (7), Cabbage Root (14):** Cabbage Aphid, Cabbage Looper, Cross-striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug—1½ to 2 quarts per acre. Armyworms, Cutworms—2 quarts per acre.

**Carrots (7):** Green Peach Aphid—1 to 2 quarts per acre. Do not make more than 2 applications. Do not use on carrot food on seed.

**Celery, Whole Plant (7):** Green Peach Aphid—1 quart per acre.

**Celery, Whole Plant (4):** Green Peach Aphid, Cabbage Looper—1 to 2 quarts per acre. Do not make more than 3 applications.

**Collards (21):** Cabbage Looper, Diamondback Moth Larvae, Harlequin Bug, Imported Cabbageworm—1½ quarts per acre. Do not apply more than once.

**Corn, Sweet (Fresh Vegetable Use Only) (8):** Corn Leaf Aphid—2 quarts per acre. Corn Earworm—3 quarts per acre applied at 2 to 3 day intervals beginning when silks first appear and continuing until they begin to dry. Do not make more than 5 applications. Do not apply to sweet corn to be processed. Do not feed treated forage or ensilage to livestock or allow to graze in treated fields.

**Cucumbers (8), Melons (8), Pumpkins (8), Summer & Winter Squash (8):** Aphids, Cucumber Beetle, Striped Cabbage Flea Beetle, Melonworm, Pickleworm, Rindworm (on watermelons), Squash Beetle,

Squash Bug, Squash Vine Borer—1 to 2 quarts per acre. For Vine Borer control, apply weekly to flowerbuds, stems and vines beginning when moths first appear. For Cabbage Looper and Omnivorous Leaf-roller on melons, use 2 quarts per acre.

**Eggplants (1):** Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid, Green Stink Bug, Whitefly—1 quart per acre

**Lettuce (14):** Cabbage Looper, Green Peach Aphid, Imported Cabbageworm, Diamondback Moth Larvae—1½ to 2 quarts per acre. On head lettuce do not apply more than 3 times after thinning. Remove outside leaves at harvest. Do not feed crop waste to livestock. On leaf lettuce do not make more than 2 applications per season.

**Peppers (4):** Green Peach Aphid, Flea Beetle, Hornworm, Pepper Maggot—1 to 2 quarts per acre. \*1 day if maximum of 1 quart per acre is applied.

**Potatoes (9):** Aphids, Armyworms, Colorado Potato Beetle, Green Stink Bug, Leaf-footed Plant Bug, Potato Flea Beetle, Potato Leafhopper, Potato Tuberworm, Whitefly—Use 1 to 2 quarts per acre. European Corn Borer, Potato Psyllid—Use 3 to 4 quarts per acre. False Chinch Bug—Use 2 quarts per acre. Threelined Potato Beetle—Use 1 quart per acre.

**Spinach (21):** Crown Mite, Green Peach Aphid—1½ quarts per acre. Do not exceed 1 application.

**Tomatoes (Field & Greenhouse) (1):** Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid—1 quart per acre. Hornworms—1 to 2 quarts per acre. Tomato Russet Mite, Tomato Fruitworm, Yellow-striped Armyworm—2 quarts per acre. Stink Bugs—1½ to 2 quarts per acre. Cabbage Looper—1½ quarts per acre.

### Dealers Should Sell in Original Packages Only.

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

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