



66222-64

6/28/2006

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

JUN 28 2006

Ms. Anne Stout  
Makhteshim-Agan of North America, Inc.  
4515 Falls of Neuse Road, Suite 300  
Raleigh, NC 27609

Dear Ms. Stout:

Subject: Revisions per Agency letter dated February 28, 2006  
Thionex Technical Insecticide  
EPA Registration Number 66222-64  
Your submission dated April 18, 2006

The labeling referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy is enclosed for your records. This risk mitigation labeling should be used at the next label printing or on all product produced after September 30, 2006, whichever comes first.

This letter does not constitute reregistration of the subject product. Such determination will be made following completion of the Agency's review of all data required to be submitted in response to the associated endosulfan Data Call-In Notice.

Sincerely,

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

284

ACCEPTED

JUN 28 2006

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66222-64

# THIONEX<sup>®</sup> TECHNICAL INSECTICIDE

For The Manufacture of Insecticides and Acaricides Only

**ACTIVE INGREDIENT:**

Endosulfan: (Hexachlorohexahydromethano-2,4,3-benzodioxathiepin-3-oxide) ..... 95.0%

**INERT INGREDIENTS:** ..... 5.0%

**TOTAL** 100.0%



**KEEP OUT OF REACH OF CHILDREN  
DANGER-POISON**



### FIRST AID

<b>IF SWALLOWED:</b>	<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 or convulsing person.</li> </ul>
<b>IF INHALED:</b>	<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 treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• 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>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Prozar at 1-877-250-9291 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** 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. Probable mucosal damage may contraindicate the use of gastric lavage.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS DANGER-POISON

Fatal if swallowed or inhaled. May be fatal if absorbed through skin. Causes moderate eye irritation. Do not breathe dust or vapors. Do not get in eyes, on skin, or on clothing. During formulating and loading operations wear chemical-resistant gloves, protective clothing (such as coveralls, chemical-resistant footwear plus socks), protective eyewear, and a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter. Wash the outside of gloves before removing. Wash hands, arms, and face thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash all contaminated clothing with soap and hot water separately from other laundry before reuse.

**NET WEIGHT: \_\_\_\_\_ POUND(S)**

EPA Reg. No. 66222-64  
EPA Est. No. 11678-ISR-002



MAKHTESHIM  
A G A N  
NORTH AMERICA

Makhteshim-Agan of North America, Inc.  
4515 Falls of Neuse Rd., Suite 300  
Raleigh, NC 27609

**ENVIRONMENTAL HAZARDS**

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

**FORMULATOR INFORMATION: FORMULATORS USING THIS PRODUCT ARE RESPONSIBLE FOR OBTAINING EPA REGISTRATION FOR THEIR FORMULATED PRODUCTS.** Formulators are encouraged to contact Makhteshim Agan of North America, Inc. for the Thionex Technical Insecticide MSDS, which contains the chemical and physical data for the technical.

**THIS PRODUCT IS TO BE USED SOLELY FOR FORMULATION INTO END USE INSECTICIDE PRODUCTS FOR use on commercial agricultural crops and for outdoor commercial production of ornamental trees and shrubs.**

**DO NOT USE THIS PRODUCT TO FORMULATE END-USE PRODUCTS FOR:**

- a) Any use in or around a structure used as a residence or domestic dwelling, or on any articles or areas associated with such structures (including household contents, home gardens, and greenhouses), or;
- b) Any use in the form of a fogger, impregnated materials, insecticidal smoke, dust, pressurized liquid or spray, (i.e., spray cans-but not including EC or WP formulations applied by pump sprayers) or aerosol spray inside a commercial greenhouse, or public or private building or structure, (including recreational facilities, theaters, hotels, resorts, or other buildings used for public accommodation, or any other commercial, industrial, or institutional building), or on any articles or areas associated with such structures including building contents and landscaping (but not including outdoor commercial ornamental tree and shrub production areas).

**FOR FORMULATION INTO END-USE INSECTICIDE PRODUCTS FOR THE FOLLOWING USES:**

- **Outdoor Fruit and Nut Crops:** Almonds, Apples, Apricots, Blueberries, Cherries, Citrus (non bearing trees and nursery stock), Filberts, Nectarines, Peaches, Pears, Pineapples, Plums, Prunes, Strawberries, Walnuts.
- **Field and Vegetable Crops:** Beans (dry), Broccoli, Brussels sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Corn (sweet corn, fresh vegetable use only), Cotton, Cucumbers, Eggplant, Kale, Lettuce, Melons (all), Mustard greens, Peas (dry), Peppers, Potatoes, Pumpkins, Squash (summer and winter), Sweet potatoes, Tobacco, Tomatoes, Turnips.
- **Commercial Greenhouse Use:** Tomatoes.
- **Ornamental Trees and Shrubs (Commercially Grown Outdoors Only):** Ornamental Trees and Shrubs, i.e., Boxelder, Dogwood, Lilac, Douglas fir (grown for ornamentals, nursery stock, or Christmas trees; Pacific Northwest only), Elms, Leatherleaf Fern, Pines (Austrian, Jack, Red, Scotch, White), Shade trees (except Birch), Shrubs, Spruce, (New England area only), Taxus.

This product cannot be formulated into wettable powders for use on the following crops: Beans (Dry), Carrots, Cotton, Peas (Dry), Pineapple, Sweet Corn, Sweet Potatoes, Tobacco, and Tomatoes.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep out of reach of children and animals. Store in tightly capped 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. **IN CASE OF SPILL:** Avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills.

**STORAGE AND DISPOSAL (CONTINUED)**

**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.

**WARRANTY STATEMENT**

MAKHTESHIM-AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MAKHTESHIM-AGAN OF NORTH AMERICA. To the extent permitted by State law, MAKHTESHIM-AGAN OF NORTH AMERICA shall not be liable for consequential, special or indirect damages resulting from the use, or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.

Thionex<sup>®</sup> is a registered trademark of Makhteshim Chemical Works, Ltd.

Thionex Technical Insecticide (66222-64)(EPA app 2-28-06)