

10163-223

02/21/2003

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GOWAN ENDOSULFAN TECHNICAL

For Manufacture of Insecticides and Acaricides Only

ACTIVE INGREDIENT:

% By Wt.

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

OTHER INGREDIENTS 5.0%

Total 100.0%



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



FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have 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 doctor. • Do not give anything by mouth to an unconscious or convulsing person.
If inhaled	<ul style="list-style-type: none"> • 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 treatment advice.
If on skin	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 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.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER-POISON**

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), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter. 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

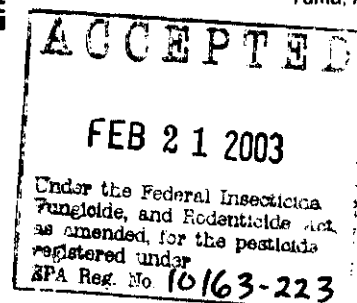
This pesticide is toxic to fish, birds, and other wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination system (NPDES) permit and the permitting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

NET CONTENTS _____ LBS.

EPA Reg. No. 10163-223
EPA Est. No. 67545-AZ-1



Gowan Company
P. O. Box 5569
Yuma, AZ 85366-5569



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.

THIS PRODUCT IS TO BE USED SOLELY FOR FORMULATION INTO end use products for use on commercial agricultural crops and for outdoor commercial production or ornamental trees and shrubs. Do not use or formulate this product into any products in the form of a fogger, impregnated materials, insecticidal smoke, dust, pressurized liquid (i.e. spray cans-but not including EC or WP formulations applied by pump sprayers) or aerosol spray designed to automatically release the contents. The commercial use categories and formulation restrictions are described below.

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 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:

A. OUTDOOR FRUIT AND NUT CROPS:

Almonds, apples, apricots, blueberries, cherries, cherry nursery stock dip, citrus (nonbearing trees and nursery stock), filberts, grapes, nectarines, peaches, peach nursery stock dip, pears, pecans, pineapples, plums, plum nursery stock dip, prunes, raspberries, strawberries, strawberries (dip application-Northwest Use Only), and walnuts.

B. FIELD AND VEGETABLE CROPS:

Barley, beans (succulent and dry except lima), broccoli, Brussels sprouts, cabbage, carrots, cauliflower, celery, collards, corn seed crop, corn (sweet corn fresh vegetable use only), cotton, cucumbers, eggplants, kale, lettuce, melons (all), mustard greens, oats, peas (succulent, excludes seed crop), peppers, potatoes, pumpkins, rye, spinach, squash (summer and winter), sweet potatoes, tobacco, tomatoes, turnip greens and wheat

C. ORNAMENTAL TREES AND SHRUBS (Commercially Grown Outdoors Only):

Boxelder, Dogwood, Elms Lilac, Douglas fir (grown for ornamentals, nursery stock or Christmas trees; Pacific Northwest only), Pines (Austrian, Jack Red, Scotch, White), Shade trees (except Birch), Shrubs, Spruce, Taxus.

D. COMMERCIAL GREENHOUSE USE: Tomatoes.

FORMULATOR INFORMATION

Refer to Technical Bulletin entitled Gowan Endosulfan Technical Bulletin for product information.

STORAGE AND 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. 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 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.

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our recommendations for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. All such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY

BUYER'S OR USER'S EXCLUSIVE REMEDY AND GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.