



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

JUL 16 1999

Ms. Annette M. Flores  
TOMEN AGRO, Inc.  
100 First Street, Suite 1700  
San Francisco, CA 94105

Dear Ms. Flores:

Subject: EPA Registration Number 66330-8 Captan Methoxychlor  
65-10 Seed Protectant  
Amendment - To change company name, registration  
number, emergency telephone number and warranty as  
result of transfer of registration from Zeneca, Inc.  
Your submission dated April 28, 1999

The amendment referred to above, submitted in connection  
with registration under the Federal Insecticide, Fungicide and  
Rodenticide Act (FIFRA), as amended is acceptable provided that  
you:

1. Update and organize the "STATEMENTS OF PRACTICAL  
TREATMENT" so that the most severe routes of exposure as  
demonstrated by the toxicity category classification are  
listed first (i.e. IF IN EYES, IF ON SKIN, IF INHALED, and IF  
SWALLOWED).

2. Update the eye statement to read:  
IF IN EYES: Hold eye open and rinse slowly and gently with  
water for 15-20 minutes.

A stamped copy of the label is enclosed for your records.  
Submit one (1) copy of your final printed label prior to  
releasing the product for shipment.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Giles-Parker".

Cynthia Giles-Parker  
Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

**CAPTAN METHOXYCHLOR 65-10  
SEED PROTECTANT**

**(INSECTICIDE-FUNGICIDE)**

**ACTIVE INGREDIENTS:**

Captan* .....	63.6%
Related Derivatives.....	1.4%
**Methoxychlor, Technical.....	10.0%
<b>INERT INGREDIENTS:</b> .....	<b>25.0%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

\* N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

\*\* Equivalent to 8.8% 2,2-bis (p-methoxyphenyl)-1,1,1,-trichloroethane and 1.2% of other isomers and related compounds.

EPA Reg. No. 40182-31966330-08  
EPA Est. No. 40182-

Net Weight:

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

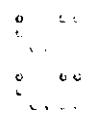
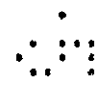
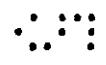
Made in U.S.A  
ZENECA Agricultural Products  
ZENECA Inc.  
Wilmington, DE 19897  
TOMEN AGRO, Inc.  
100 First Street, Suite 1700  
San Francisco, CA 94105

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

**JUL 16 1999**

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

**66330-8**



### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Contact physician, Poison Control Center, or emergency clinic before inducing vomiting. Give water or milk to drink and induce vomiting by touching back of throat with finger, or by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. If medical advice cannot be obtained, take person and a copy of the label or technical bulletin to the nearest emergency treatment facility.

**IF IN EYES:** Immediately flush eyes with plenty of clear water and get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. See a doctor if irritation occurs or rash develops.

**IF INHALED:** Remove person from exposure area.

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**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL (800) F-A-S-T-M-E-D (327-8633) 1-800-228-5635 ext. 174 or 1-612-221-3999 ext. 174.**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.**

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### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

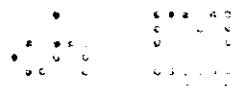
#### DANGER

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Avoid inhalation of dust. Remove and separately launder clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear



Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when mixing or loading
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources. In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.

### DIRECTIONS FOR USE

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides.

It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

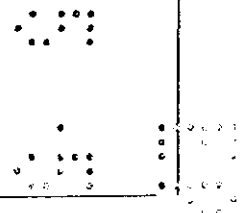
Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days.

**Exception:** For the last 48 hours of the REI, workers may enter the treated area to perform hand labor or other tasks involving contact with anything that has been treated, such as plants, soil or water, without time limit, if they wear the early entry PPE listed below.

**Exception:** If the product is used for seed treatment, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear



Mixers/loaders when mixing and loading this product must wear a long-sleeved shirt and long pants or coverall that covers all parts of the body except the head, hands and feet. Wear chemical-resistant gloves, goggles or a face shield and a chemically resistant apron.

A dust mask must be worn when mixing and loading this product.

Not for use on agricultural establishments in hopper-box, planter-box, slurry box or other seed-treatment applications at or immediately before planting.

**AFTER WORK:** Take off clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with CAPTAN must be destroyed according to state and local regulations.

CAPTAN Methoxychlor 65-10 Seed Protectant is a special formulation for the control of seed rot and damping-off diseases on germinating seeds and seedlings and for control of kernel smut of sorghum, as well as reduction in losses from Cadelle, Rice Weevil, Confused Flour Beetle, Angoumois Grain Moth and Indian Meal Moth during preplanting storage of clean seed.

Slurry Treatment: Mix with water in slurry tank and apply with slurry of misty-type treater, using appropriate settings to apply recommended rates.

Do not feed treated seed to animals. Do not use treated seed for human consumption. Seed treated with CAPTAN Methoxychlor 65-10 Seed Protectant, sold or shipped as feed or foodstuffs may be considered adulterated under state and federal laws. Treated seed must be labeled as follows: "TREATED SEED. DO NOT USE FOR FOOD, FEED OR OIL."

THE FOLLOWING TABLE gives amount of CAPTAN 65-10 Seed Protectant to use on various seeds. Do not use on baby lima beans.

SEED VARIETY	DOSAGE RATE	Lbs. Seed Treated/Pound of Product
Corn - Field	1½ oz./100 lbs. ¾ oz./bu.	1070
Corn - Sweet	3 oz./100 lbs. 1¾ oz./bu.	530
Wheat For seed and Seedling Rots-	1½ oz./100 lbs. ¾ oz./bu.	1070
Rye Not for	2 oz./100 lbs.	800
Oats Smut	2¼ oz./100 lbs. ¾ oz./bu.	710
Barley	1¾ oz./100 lbs. ¾ oz./bu.	915
Flax	3 oz./100 lbs. 1½ oz./bu.	530
Beans (Except Baby Limas)	2 oz./100 lbs.	800
Peas	1¼ oz./bu.	
Cucumber, Cantaloupe	2¼ oz./100 lbs.	710
Squash, Pumpkin, Watermelon	1½ oz./100 lbs.	1070
Beets, Swiss Chard	9¼ oz./100 lbs.	175
Sugar Beets	9¼ oz./100 lbs.	175
Clover	6¼ oz./100 lbs.	255
Alfalfa	3¾ oz./bu.	
Soybeans	1¾ oz./100 lbs. 1¼ oz./bu.	915
Cotton - Acid Delinted	2¼ oz./100 lbs.	710
Cotton - Machine Delinted Fuzzy (not delinted)	3½ oz./100 lbs.	460
Blue Grass	6¼ oz./100 lbs.	255
Cabbage, Cauliflower, Broccoli, Brussels Sprouts	1¼ oz./100 lbs.	1280
Spinach	4½ oz./100 lbs.	375
Sorghum hulled (Kernal Smut)	3½ oz./100 lbs.	490
Peppers	2¼ oz./100 lbs.	710
Cowpeas	2¼ oz./100 lbs. 1½ oz./bu.	710

## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

**STORAGE:** Keep pesticide in original container. Do not store or transport near feed or food. Store in a cool, dry place. Protect from excessive heat. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

**PESTICIDE DISPOSAL:** This product is 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 instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty liner by shaking and taping sides and bottom to loosen clinging particles. Empty residue into application equipment. Do not reuse container. Dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

~~**NOTICE TO BUYER AND USER:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.~~

### NOTICE TO BUYER AND USER:

#### CONDITIONS OF SALE:

1. TOMEN AGRO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use.
2. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Tomen. TOMEN DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT



DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. TOMEN DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.

3. Critical and unforeseeable factors beyond Tomen's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated on the label and even though label directions are followed. Except as stated in 1 above, Buyer and User acknowledge and assume all risks and liability resulting from handling, storage, and use of this product.