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MR 9 1990

Mr. S. K. Theodorakis  
ICI America, Inc.  
Agricultural Products - R & RA  
Concord Pike and New Murphy Road  
Wilmington, DE 19897

Dear Mr. Theodorakis:

Subject: Captan Methoxychlor Seed Protectant  
EPA registration No. 10182-318  
Application To Amend Registration Dated February 2, 1990

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

- 1. Submit five (5) printed copies of the final printed labels before releasing the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(o). Your release for shipment of the product constitutes acceptance of this condition.

The proposed brand name is acceptable and has been added to the record for this product.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Joanne L. Miller  
Acting Branch Director (24)  
Registration Branch  
U.S. Environmental Protection Agency

cc: [unclear]



**CAPTAN METHOXYCHLOR SEED PROTECTANT**

**(INSECTICIDE-FUNGICIDE)**

**DOES NOT CONTAIN BINDER**

Active Ingredients	By. Wt.
*Captan . . . . .	70.9%
Related Derivatives. . . . .	1.6%
**Methoxychlor, Technical. . . . .	5.0%
Inert Ingredients . . . . .	22.5%
*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.	
**Equivalent to 4.4% 2,2-bis(p-methoxyphenyl)-1,1,1,-trichloroethane and 0.6% of other isomers and related compounds.	

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**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 to the nearest emergency treatment facility. In case of eye contact, immediately flush eyes with plenty of clear water and get medical attention. For skin contact, wash skin with plenty of soap and water. If inhaled, remove person from exposure area.

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**FOR 24-HOUR EMERGENCY MEDIAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633).**

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

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**EPA Reg. No. 10182-318**

**EPA Est. No. 10182-**

**ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, DE 19897**

**Net Weight:**

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

MAR 9 1990

**BEST AVAILABLE COPY**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, the registration of this pesticide is suspended.

CAPTAN METHOXYCHLOR SEED PROTECTANT

(INSECTICIDE-FUNGICIDE)

DOES NOT CONTAIN BINDER

Active Ingredients	By. Wt.
*Captan . . . . .	70.9%
Related Derivatives. . . . .	1.6%
**Methoxychlor, Technical. . . . .	5.0%
Inert Ingredients . . . . .	22.5%
*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.	
**Equivalent to 4.4% 2,2-bis(p-methoxyphenyl)-1,1,1,-trichloroethane and 0.6% of other isomers and related compounds.	

This product contains the toxic inert ingredient Rhodamine B

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

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 to the nearest emergency treatment facility. In case of eye contact, immediately flush eyes with plenty of clear water and get medical attention. For skin contact, wash skin with plenty of soap and water. If inhaled, remove person from exposure area.

FOR 24-HOUR EMERGENCY MEDIAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633).

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

EPA Reg. No. 10182-318

EPA Est. No. 10182

ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, DE 19897

Net Weight:

ACCEPTED  
with COMMENTS  
In E.P.A. Lab

10182-318

451

**CAPTAN METHOXYCHLOR SPED PROTECTANT**

**(INSECTICIDE-FUNGICIDE)**

**DOES NOT CONTAIN BINDER**

Active Ingredients	By. Wt.
*Captan . . . . .	70.9%
Related Derivatives. . . . .	1.6%
**Methoxychlor, Technical. . . . .	5.0%
Inert Ingredients . . . . .	22.5%
*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.	
**Equivalent to 4.4% 2,2-bis(p-methoxyphenyl)-1,1,1,-trichloroethane and 0.6% of other isomers and related compounds.	

**This product contains the toxic inert ingredient Malachite Green**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**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 to the nearest emergency treatment facility. In case of eye contact, immediately flush eyes with plenty of clear water and get medical attention. For skin contact, wash skin with plenty of soap and water. If inhaled, remove person from exposure area.

**FOR 24-HOUR EMERGENCY MEDIAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633).**

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

**EPA Reg. No. 10182-318**

**EPA Est. No. 10182-ACCEPTED**

**ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, DE 19897**

**Net Weight:**

**with COMMENTS  
in EPA Letter to**

**BEST AVAILABLE COPY**

10182-318

**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.

**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.**

Mixers/loaders when mixing and loading this product must wear a long sleeved shirt and long pants or a 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.

**AFTER WORK:** Take off all 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 Seed Protectant is a special formulation containing CAPTAN and Methoxychlor for seed treatment application. It is used in preventing seed rot and damp off diseases on germinating seeds and seedlings and smut on onion and hulled sorghum seeds. It also reduces losses from Cadelle, Rice Weevil, Confused Flour Beetle, Angoumois Grain Moth and Indian Meal Moth during preplanting storage of clean seed.

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Captan Methoxy  
RS-012290

**SLURRY TREATMENT:** When used in slurry treaters, do not allow mixtures to stand overnight.

**GLADIOLUS CORMS:** For Prevention of Bulb Rot - Use 1½ oz. in 1 gal. water (1 lb. to 10 gals.) Soak bulbs in mixture 20 to 30 minutes.

**ONION SEED PELLETING:** Use 1 lb. CAPTAN Methoxychlor Seed Protectant per 1 lb. of seed.

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Do not feed treated seed to animals. Do not use treated seed for human consumption. Seeds treated with CAPTAN Methoxychlor 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 Methoxychlor Seed Protectant to use on various seeds. Do not use on baby lima beans.

SEED	Dosage Rate	Lbs. Seeds Treated/ lb. of Product	
CORN-Field	1½ oz./100 lbs. 2/3 oz./bu.	1280	
CORN-Sweet	2 2/3 oz./100 lbs. 1½ oz./bu.	600	
WHEAT	For Seed and Seedling	1½ oz./100 lbs. 2/3 oz./bu	1280
RYE	Rots. Not for Smut	1 3/4 oz./100 lbs.	910
OATS	2 oz./100 lbs. 2/3 oz./bu	800	
BARLEY	1½ oz./100 lbs. 2/3 oz./bu	1070	
FLAX	2½ oz./100 lbs. 1 1/3 oz./bu	640	
BEANS (Except Baby Limas)	1 3/4 oz./100 lbs.	910	
PEAS	1 oz./bu		
CUCUMBERS, CANTALOUPE	2 oz./100 lbs.	800	
SQUASH, PUMPKIN WATERMELON	1 1/3 oz./100 lbs.	1260	
BEETS, SWISS CHARD	8 oz./100 lbs.	200	
SUGAR BEETS	8 oz./100 lbs.	200	
CLOVER ALFALFA	5½ oz./100 lbs. 3 1/3 oz./bu	290	
SOYBEANS	1 2/3 oz./100 lbs. 1 oz./bu	960	

COTTON Acid Delinted	2 oz./100 lbs.	800
COTTON Machine Delinted Fuzzy (not delinted)	3 oz./100 lbs.	530
BLUE GRASS	5½ oz./100 lbs.	290
CABBAGE CAULIFLOWER BROCCOLI BRUSSELS SPROUTS	1 oz./100 lbs.	1600
SPINACH	4 oz./100 lbs.	400
SORGHUM hulled (Kernel Smut)	3 oz./100 lbs.	530
PEPPERS	2 oz./100 lbs.	800
COWPEAS	2 oz./100 lbs. 1½ oz./bu	800



### 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 cool, dry place. Protect from excessive heat. For help with any spill, leak, fire or exposure involving this material, call day or night 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 instructions, 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.

RQ Hazardous substance, solid, N.O.S., NA 9188,  
(Captan; Methoxychlor)

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