



066330-00024-050499

Printed: 14:55:51 Tuesday, 25 May, 1999 # 5 / 3077

Systems Integration Group, Inc.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MAY 4 1999

Mr. Joseph Solga
TOMEN AGRO, Inc.
100 First Street, Suite 1700
San Francisco, CA 94105

Dear Mr. Solga:

Subject: EPA Registration Number 66330-24
Amendment - To change company name, registration
number, emergency telephone number and warranty as
result of transfer of registration from Zeneca, Inc.
Your submissions dated February 3, 1999

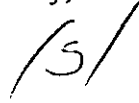
The amendment referred to above, submitted in connection
with registration under the Federal Insecticide, Fungicide and
Rodenticide Act (FIFRA), as amended is acceptable provided that
you:

1. Update the STATEMENT OF PRACTICAL TREATMENT:

IF IN EYES: Hold eyelids open and flush with a steady,
gentle stream of water for 15 minutes. Get medical
attention.
2. All items in the INGREDIENTS STATEMENT should be aligned
on the left hand margin.
3. Add the Spanish signal word "PELIGRO" and the required
Spanish statement. The Spanish signal word and the statement must
appear in close proximity to the English signal word.
4. Add a referral statement to page one to indicate that
PRECAUTIONARY STATEMENTS and FIRST AID statements can be found on
the side panel. Whenever there is not enough room on the first
page for Precautionary and First Aid Statements a referral
statement must be included.

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

Sincerely,



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

CAPTAN SP4 FLOWABLE SEED PROTECTANT
Agricultural Fungicide
Aqueous Suspension

ACTIVE INGREDIENTS:

*Captan.....	37.66%
Related Derivatives.....	0.86%

INERT INGREDIENTS:

Total:.....	61.48%
	<u>100.00%</u>

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

(Contains 4 Pounds of Active Ingredients Per Gallon)

EPA Reg. No. ~~40182-16666330-24~~
EPA Est. No. ~~40182-~~

Net Contents: |

KEEP OUT OF REACH OF CHILDREN

DANGER

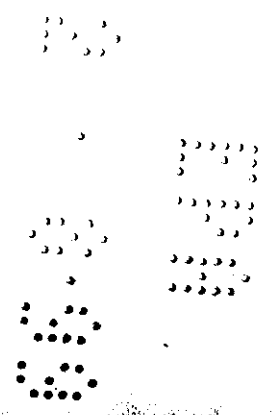
CAUSES IRREVERSIBLE EYE DAMAGE

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

ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAY 4 1989

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

66330-24



STATEMENT OF PRACTICE TREATMENT

Immediately start the procedures given below and CONTACT A POISON CENTER, A PHYSICIAN OR THE NEAREST HOSPITAL. Describe the type and extent of exposure, the victim's symptoms, and follow the advice given.

IF IN EYES: Flush with plenty of water. Call a physician.

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if abnormal reaction occurs.

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.

PRODUCT FREEZING TEMPERATURE 32°F. Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeated freezing-thawing cycles may impair utility.

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 vapor. ~~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 eye wear

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.

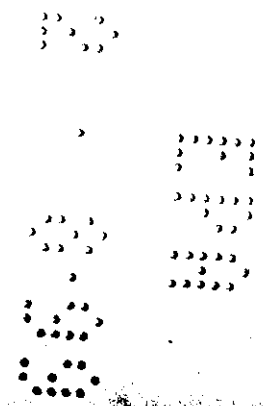
User Safety Recommendations

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 apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

~~USE PRECAUTIONS:~~

~~Read the entire label before using. Use only as recommended for claims listed.~~

~~Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.~~

~~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.~~

~~Field workers and harvesters must wear chemical resistant gloves. Leather or fabric gloves are not acceptable.~~

~~**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.~~

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.

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 protective 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:

1. Coveralls.
2. Waterproof gloves.
3. Shoes plus socks.
4. Protective eyewear.

SPECIAL USE PRECAUTIONS:

IMPORTANT: Treated seed must not be used for human consumption nor for animal feed.

The Federal Government and most States have seed laws or regulations requiring that an appropriate caution statement be affixed to bags containing treated seed, such as: "Treated Seed - Do not Use for Feed, Food or Oil Purposes."

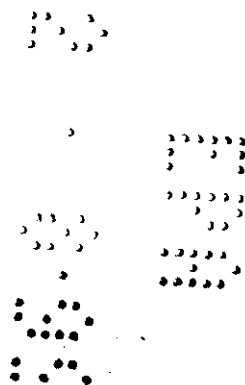
CAPTAN SP4 FLOWABLE SEED PROTECTANT is an aqueous suspension suitable for the treatment of seed prior to storage and planting, to protect seed from molds and other fungi causing storage loss and to protect seed from seed-borne and soil-borne fungi which cause seed decay, damping-off and seedling blights.

Read all directions before using and use only as specified on the label.

IMPORTANT: Before using - stir thoroughly to mix contents.

DIRECTIONS: Thoroughly mix the recommended amount of CAPTAN SP 4 FLOWABLE into the required amount of water for the slurry treater equipment and dilution rate to be used. Clean equipment thoroughly between treating operations.

NOTE: Seed treated by the slurry method should not be bagged until such time as the seed has had an opportunity to dry. Store in well ventilated areas. If seed is bagged when wet, heat is developed and impairs seed germination.



The following table gives recommended amounts of CAPTAN SP 4 FLOWABLE SEED PROTECTANT to use on various seeds. Use higher rates in the range in areas where high stress conditions are anticipated.

SEED TREATMENT DOSAGE RATES

SEED	DOSAGE (fl. oz./100 lb.)
Alfalfa, Clover, Lespedeza, Trefoil	5 - 8¼
Beans (Snap, dry, cowpeas)*	2 - 3
Beets (Garden)	8 - 12
Cereal Grains (For seed and seedling rots - will not control bunt smut)	
Barley, Rye	2 - 3
Oats	2 - 4
Wheat	1½ - 4
Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower)	1 - 2
Corn - Field	1¼ - 2¾
Sweet	2 - 4
Cotton - Acid Delinted	2½ - 5
- Reginned	3½ - 7
- Fuzzy	3½ - 7
Cucumber, Cantaloupe	2½ - 3
Crucifers (Mustard, Radish, Rape, Turnips)	1 - 2
Flax	2 - 3¾
Grasses	5 - 8¼
Milo	4 - 6
Onions (Pelleting)	1½ pint/lb.
Peanuts	6
Peas, Lentils	2½
Peppers (California Wonder)	2 - 3
Sorghum (Hulled) - For Kernel Smut	1¾ - 4½
Soybeans	1½ - 2½
Spinach	4 - 6
Squash, Pumpkin, Watermelon, Muskmelon	1½ - 2
Sugar Beets - West	6
East	12
Sunflowers	2-4
Swiss Chards	10-12

Gladiola Bulbs - Prevention of bulb rot - use 2¼ fl. oz. in 1 gal. water (1½ pts to 100 gals). Soak bulbs in mixture 20 to 30 minutes.

*Do not use on lima beans.

Further specific information of the subject of seed treatment may be obtained from State Agricultural Experimental Stations or the State Agricultural Extension Service.

STORAGE AND DISPOSAL

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

STORAGE: Keep pesticide in original container. Store in cool dry place (below 110°F). Protect from freezing temperatures (32°F or lower).

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.

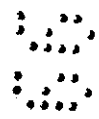
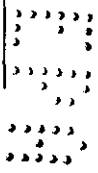
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling, reconditioning, or puncture and dispose in a sanitary landfill, or incineration or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

~~**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 reasonable 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



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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.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America

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RQ-CAPTAN MIXTURE ORM-E

