

Memorandum

Date: November 5, 1981

Subject: EPA Reg. No. 239-2355 ORTHOCIDE METHOXYCHLOR 65-5 SEED PROTECTANT
Caswell #159, 550

From: B. T. Backus
IRB/TSS

To: Mr. Jay Ellenberger
Product Manager 12

Registrant: Chevron Chemical Company
Ortho Agricultural Chemicals Division
940 Hensley St.
Richmond, CA 94804

Active Ingredients:

Captan.....	61.5%
Related Derivatives.....	3.5%
Methoxychlor, Technical.....	5.0%
Inert Ingredients:.....	30.0%

Background:

The registrant is proposing a change in signal word from CAUTION to DANGER on the basis of potential eye exposure hazard. An eye irritation study has been submitted.

Comments and Recommendations:

1. The eye irritation study received 8-4-81 is acceptable and adequate.
2. The appropriate signal word for this product, based on potential eye exposure hazard, is DANGER.
3. We would prefer a statement of ^{practical} ~~potential~~ treatment for if swallowed something like:

If swallowed, call a physician or poison control center.
Give a large amount of water, and make person vomit.

Review:

The following study was conducted on the registered product at Environmental Health & Toxicology, Standard Oil Company of California, 225 Bush St., San Francisco, Calif. 94120. Studies were received at EPA 8-4-81 and are in Acc. 245823.

1. Primary Eye Irritation - Rabbit. SOCAL 1773; May 4, 1981.

Procedure: 100 mg of test material was placed in one eye of each of 9 rabbits, with 6 eyes remaining unwashed and the remaining 3 flushed with water for one minute starting 30 seconds after instillation.

Results: 6/6 unwashed, 1/3 washed eyes showed corneal opacity at 21 days. 4/6 unwashed eyes showed maximum corneal involvement possible (scores of 4 for opacity and area affected).

Study Classification: Core Guidelines Data

Product Classification: Tox. Cat. I

Byron T. Backus (IRB)/TSS
1/25/81

Byron T. Backus
IRB/TSS

COPY A

PRECAUTIONARY STATEMENTS 12 pt

HAZARDS TO HUMANS & DOMESTIC ANIMALS 12 pt

DANGER 12 pt

Corrosive to eyes. Causes 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 or spray mist. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR. Part 11.

Do not feed treated seed to animals. Do not use treated seed for human consumption. Seeds treated with ORTHOCIDE Methoxychlor 65-5 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."

STATEMENTS OF PRACTICAL TREATMENT 12 pt

If swallowed, give a large amount of water to drink, make person vomit, and get medical attention. In case of eye contact, immediately flush eyes with plenty of clear water and get medical attention.

Wash hands after use.

Note to Physicians: Emergency Information - call (415) 233-3737.

ENVIRONMENTAL HAZARDS 12 pt

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur.

COPY B

DANGER 18 pt

COPY C

Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

COPY D

Dispose of liners according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act. Do not reuse container. Dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

URTHO

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Many cause eye irritation. Do not get in eyes. Avoid contact with skin. Avoid inhalation of dust or spray mist. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U. S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Avoid contamination of feed or foodstuffs. Do not use treated seed for human consumption. Do not feed treated seed to animals.

STATEMENT OF PRACTICAL TREATMENT

1. In case of eye contact, immediately flush eyes with plenty of clear water. Get medical attention if eye irritation persists. Wash hands after use.
Note to Physicians: Emergency Information - call (415) 233-3737.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur.

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.

STORAGE AND DISPOSAL

PROHIBITIONS

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

STORAGE

Keep pesticide in original container.
Do not put concentrate or dilute into food or drink containers.
Store in cool, dry place.
Protect from excessive heat.

PESTICIDE DISPOSAL

Pesticide, spray mixture or rinse that cannot be used, or chemically repackaged should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL

Dispose of in an incinerator or landfill approved for pesticides containers, or bury in a safe place.

GENERAL

Consult label, state or local disposal authorities for approved alternative procedures such as limited open burning.

ORTHO[®] Methoxychlor 65-5 Seed Protectant

(INSECTICIDE-FUNGICIDE)

Active Ingredients	
*Captan	By Wt. 61.5%
Related Derivatives	3.5%
**Methoxychlor, Technical	5.0%
Inert Ingredients	30.0%
*N-[1-(trichloromethyl)thio]-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
CAUTION
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

Chevron Chemical Company
Ortho Agricultural Chemicals Division
San Francisco CA 94119 Richmond CA 94804
Product 5099 Made in U.S.A.
Form 8095-F EPA Est. 239-MO-1
EPA Reg. No. 239-2355-AA

NET WEIGHT _____

DIRECTIONS

ORTHO[®] Methoxychlor 65-5 Seed Protectant is a sp 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 for reduction in losses of Cadelle, Rice Weevil, Confused Flour Beetle, Angou Grain Moth and Indian Meal Moth during preplanting stage of clean seed.

PEA SEED. Seed Rot, Damp-off—Slurry—Use 2 oz. of 1 1/2 pints per 100 lbs. seed (1 1/2 oz. per bushel). One lb. of product treats 800 lbs. of seed.

SLURRY TREATMENT: When used in slurry treaters, do allow diluted mixtures to stand overnight.

USE ISOTOX Seed Treater (75) in combination with ORCID Methoxychlor 65-5 Seed Protectant when treating to be planted in soils infested with seed corn maggot wireworms.

NOTE: Seeds treated with ORTHOCIDE Methoxychlor Seed Protectant, sold or shipped as feed or foodstuffs be considered adulterated under state and federal law. Treated seed should be labeled as follows: "TREATED; DO NOT USE FOR FOOD, FEED OR OIL."

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authentic any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material. 2. Critical and unforeseeable factors beyond Chevron control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks even though the product is reasonably fit for the use stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all and liability (except those assumed by Chevron under above) resulting from handling, storage, and use of material.

TYPE _____