

TO

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DATE: April 14, 1981

OFFICE OF
PESTICIDES AND TOXIC SUBS

SUBJECT: Chevron Captan Technical 90%
EPA Registration No. 239-2351

FROM: Sherell A. Sterling
FHB/TSS

TO: Henry Jacoby
Product Manager (21)

Registrant: Chevron Chemical Co.
Ortho Agricultural Chemicals Div.
940 Hensley St.
Richmond, CA 94804

Active Ingredients:

Captan	85.1%
Related derivatives	4.9%
Inert Ingredients	10.0%

Background: Eye irritation data were submitted to substantiate a change in signal word. The latest accepted label had the signal word CAUTION on it; the current revision is to DANGER.

Data submitted were on Captan Technical and conducted at the Standard Oil of California Laboratories in Richmond, CA. The method of support is "cite all."

Recommendations:

1. The Eye Irritation study is considered adequate and acceptable for conditional registration purposes. However, this study should have run for 21 days instead of just 14 days.
2. Based on the Eye Irritation study the correct signal word is DANGER, as proposed by the registrant. Please note that if the test were run for 21 days, the product ~~could~~ ^{might} be shown to be in toxicity category II.

Labeling Recommendations:

1. Please revise the "Hazards to Humans and Domestic Animals" section as follows:

DANGER, Corrosive, causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes or on clothing. Wear respirator, goggles and gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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2. The "Environmental Hazards" section must include the following information:

"This product is toxic to fish. Do not apply directly to ~~lakes, streams or ponds~~ ^{water}. Do not contaminate water by cleaning of equipment or disposal of wastes."

3. Under the "Storage and Disposal" heading, the following sections must be revised:

"PESTICIDE DISPOSAL: 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."

"CONTAINER DISPOSAL: Dispose of bags according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act."

Also, delete the "GENERAL" statement.

Review:

1. The Eye Irritation Potential of Captan Technical; Standard Oil of CA #1459/39:26; July 27, 1979; Acc. No. 244716

Procedure: Nine New Zealand white rabbits each received 100 mg of Captan Technical in one eye. In three rabbits, the eye was rinsed for 1 minute with approximately 80 ml of distilled water 30 seconds post-treatment. Draize scoring at 1,2,3,4,7,10,14 days.

Results: At 24 hours in the unrinsed eyes, corneal opacity in 3/6=10 1/6-15; iris irritation in 4/6=5; redness in 6/6=3; chemosis in 3/6=1, 2/6=2, 1/6=3; discharge in 6/6=3. At 7 days corneal opacity observed in 1/6=5, 1/6=40, 1/6=60; redness in 3/6=1, 2/6=3; chemosis in 2/6=1; discharge in 3/6=1, 2/6=3; pannus in 3/6 eyes. By 14 days, corneal opacity still exhibited in 1/6=10, 1/6=80; redness in 1/6=1; discharge in 1/6=1; pannus observed in 2/6 eyes.

The rinsed eyes at 24 hours showed no corneal opacity; iris irritation in 2/3=5; redness in 3/3=6; chemosis in 2/3=1, 1/3=3; discharge in 1/3=1, 2/3=3; 1/6 exhibited white necrosis. At 7 days, corneal opacity seen in 1/3=20; redness in 1/3=1, 1/3=2; discharge in 1/3=1; pannus in 2/3. At 14 days, opacity still visible in 1/3=15 and pannus in 1/3.

Study Classification: Core minimum Data, Test should have been run for at least 21 days.

Toxicity Category: I - DANGER. Category ~~must be~~ ^{was} decided on 14 day data rather than 21 days,

HAZARDS TO HUMANS & DOMESTIC ANIMALS

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 when handling. Avoid contact with skin and clothing or inhalation of dust.

STATEMENT OF PRACTICAL TREATMENT 12 pt

In case of eye contact, immediately flush eyes with fresh water for 15 minutes and see a doctor. If swallowed, give a large amount of water to drink, make person vomit, and call a doctor. In case of skin contact, wash thoroughly with soap and water. If a skin rash develops, see a doctor. Note to Physicians: Emergency information — call (415) 233-3737.

ENVIRONMENTAL HAZARDS 12 pt

This product is toxic to fish.

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.

STORAGE AND DISPOSAL 12 pt

PROHIBITIONS 12 pt

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

STORAGE 12 pt

Keep pesticide in original container. Store in cool, dry place. Protect from excessive heat. Do not store or transport near feed or food.

PESTICIDE DISPOSAL 12 pt

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

CONTAINER DISPOSAL 12 pt

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

GENERAL 12 pt

Consult Federal, State or Local Disposal Authorities for disposal instructions.

CHEVRON® Captan Technical 90%

Active Ingredients

Captan 85.1%
Inert Ingredients 10.0%
N-[1-methyl-2-(methylthio)-4-cyclohexene-1,2-dicarbonyl]hydrazide

Production Date

Lot No.

KEEP OUT OF REACH OF CHILDREN
DANGER 18 pt
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.

FOR EXPORT ONLY

NET WEIGHT

Chevron Chemical Company
Ortho Agricultural Chemicals Division
San Francisco CA 94119
Product 2260 Made in U.S.A.
R Form Export 9856 A EPA Est. 239 MO1
EPA Reg. No. 239-7351

CONDITIONS OF SALE: Chevron Chemical Company warrants that this material conforms to the chemical definition on the label. Chevron Chemical Company makes no guarantee of any agent or representative to any other warranty of FITNESS or of MERCHANTABILITY guarantee or representation, express or implied, concerning this material.

OTHER ECONOMIC PURPOSES: DO NOT USE FOR OTHER PURPOSE. This material is a fully liber fungicide.