

APRIL 10, 1981
DATE: April 10, 1981

SUBJECT: Chevron Captan Technical
EPA Registration No.: 239-1246

FROM: Sherell A. Sterling
FHB/TSS

TO: Henry Jacoby
Product Manager (21)

Registrant: Chevron Chemical Company
Ortho Agricultural Chemicals Div.
940 Hensley Street
Richmond, CA 94804

Active Ingredients:

Captan 87%
Related derivatives 5%
Inert Ingredients 8%

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, the study should have run through day 21 post-instillation.
2. Based on the Eye Irritation study submitted, the appropriate signal word is DANGER, as proposed by the applicant. However, please note that the study ran for only 14 days. Based on the new eye irritation categories, this product may be shown to be in toxicity category II if run for 21 days rather than 14 days. *testing is*

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."

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: 9 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.

2

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 ^{was} ~~must be~~ decided on 14 day data *(only data)* rather than 21 day.

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 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. Open dumping is prohibited.

STORAGE 12 pt

Store 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 landfill 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.

NEPAL 12 pt

Consult Federal, State or Local Disposal Authorities for approved alternative procedures such as limited open burning.

URTHU

CHEVRON® Captain

Technical

Active Ingredients

• Captain	By wt.
• Related Derivatives	87%
• Inert Ingredients	5%
• N-[1-(trichloromethyl)-4-cyclohexene-1,2-dicarboximide]	8%

Production Date

Lot No.

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

NET WEIGHT 50 LBS.

Chevron Chemical Company

Ortho Agricultural Chemicals Division
San Francisco CA 94119 Richmond CA 94804
Product 1621 Made in U.S.A.
Form 8347-C EPA Est. 239 MO-1
EPA Reg. No. 239-1246

THIS PRODUCT IS FOR USE ONLY BY ECONOMIC POISONS REGISTRANTS IN THE FURTHER PREPARATION OF OTHER ECONOMIC POISONS. DO NOT USE FOR ANY OTHER PURPOSE. The material is a pesticide of cultural benefit.

CONDITIONS OF SALE: Chevron Chemical Company warrants that this material conforms to the chemical description on the label. Chevron Chemical Company neither makes nor authorizes any agent or representative to make any other warranty of FITNESS or of MERCHANTABILITY, guaranteed or representation, express or implied, concerning this material.