

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

159

DATE: June 15, 1981

002105

SUBJECT: EPA Registration Number 239-2137

Captan: Caswell # 15

FROM: Deloris F. Graham *DAB* *6/18/81*  
FHB/TSS *E 6/19/81*

TO: Henry Jacoby  
Product Manager (21)

Applicant: Chevron Chemical Company  
Ortho Agricultural Chemicals Division  
940 Hensley Street  
Richmond, CA 94804

Active Ingredients:

Captan ..... 85.1%  
Related derivatives ..... 4.9%  
Inert Ingredients ..... 10.0%

Background:

Submitted Eye Irritation Study. "Cite-All" method of support.

Recommendation:

(1) The Eye Irritation Study submitted is acceptable to support registration of this product. As indicated by this study, the appropriate signal word is ~~DAVAGE~~. However, the products cited bear the signal word CAUTION, therefore, the product being registered and the products cited cannot be substantially similar since signal words under the "Cite-All" method must be the same.

Label:

(1) *The appropriate signal word is DANGER*

Review:

(1) Eye Irritation Study: Chevron; Socal 1459/39:26; July 27, 1979.

Procedure:

Nine rabbits received 100 mg of the test material in one eye each. The animals were divided into two groups. Group I consisted of six animals with treated unwashed eyes and Group II consisted of three animals with treated washed eyes. Observations were made at 1, 2, 3, 4, 7, 10 and 14 days.

Results:

On day 1, in Group I, 4/6 had corneal opacity (3/6=5, 1/6=10); 4/6 had iris irritation (4/6=5); 6/6 conjunctive redness (6/6=3), chemosis (3/6=1, 2/6=2, 1/6=3), and discharge (6/6=3). At day 7, 3/6 had corneal opacity (1/6=5, 1/6=40, 1/6=60); no iris irritation; 5/6 conjunctive redness (3/6=1, 2/6=3) and discharge (3/6=1, 2/6=3) and 2/6 chemosis (2/6=1). At day 14, 2/6 had corneal opacity (1/6=10, 1/6=80); 4/6 redness (1/6=1) and discharge (1/6=1).

On day 1, in Group II, no corneal opacity; 2/3 iris irritation (2/3=5); 3/5 redness (3/3=3), chemosis (2/3=1, 1/3=3), discharge (1/3=1, 2/3=2). At day 7, 1/3 corneal opacity (1/3=20), no iris irritation; 2/3 redness (1/3=1, 1/3=2) and 1/3 discharge (1/3=1). At day 14, 1/3 corneal opacity (1/3=15). No other irritation present.

Study Classification:

Core Guideline Data

Toxicity Category: **I - DANGER**

# 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) 233-5737.

## 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

### PRECAUTIONS 12 pt

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.  
Open 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 rinsate 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

Pesticide 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 approved alternative procedures such as limited open burning.

# VERTIGO

## CHEVRON® Captain 30 Concentrate

### (FUNGICIDE)

Active Ingredients	By Wt.
Captan .....	85.1%
Related Derivatives .....	4.0%
Inert Ingredients .....	10.0%
*N-[trichloromethylthio]-4-cyclohexene-1,2-dicarboximide.	

THIS PRODUCT IS FOR USE BY ECONOMIC POISONS REGISTRANTS IN THE PREPARATION OF SOIL AND AGRICULTURAL FUNGICIDE DUSTS. This material is a polychloroacetal fungicide.

KEEP OUT OF REACH OF CHILDREN 12 pt  
DANGER 18 pt  
SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS.

NET WEIGHT 50 LBS.

Chevron Chemical Company  
Onite Agricultural Chemicals Division  
San Francisco CA 94119  
Product 3775 Made in U.S.A.  
Form 7200-K  
EPA Reg. No. 239-2137-AA

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 or other warranty of FITNESS or of MERCHANTABILITY, quality or representation, express or implied, concerning this material.