Date: March 16, 1983

Subject: EPA File Symbol: 476-EEEN
Ordram A 10-G

From: Delores F. Graham
FH/F/388 E 3/17/83

To: Richard Neufport
Product Manager (23)

Applicant: Stauffer Chemical Company
1200 South 47th Street
Richmond, CA 94804

Active Ingredients:
S-ethyl hexahydro-14-aniline
-1-carbothioate 10.0%

Inert Ingredients 90.0%

Background: Submitted Acute Oral, Acute Dermal, Eye Irritation and Skin Irritation Studies, Studies conducted by Stauffer Chemical Company. Data under accession number 249409. Cit all method of support.

Recommendation:

FH/F/188 finds these data acceptable to support conditional registration of this product.

(2) An Acute Inhalation Study was not submitted and one must be submitted and/or cited.
The appropriate signal used is CREATION.

Label:

(1) The phrase "or blunt object" must be deleted from precautionary statements.

Review:

(1) Acute Oral Toxicity Study - Staley Chemical Company

Procedure: 10M and 10F rats received 5000 mg/kg of the test material orally. Observations were made for 14 days after treatment. Necropsy performed on all animals. 10M and 10F rats were dosed with corn oil and served as vehicle controls.

Result:

Result: 3/10 M and 3/10 F died at 5000 mg/kg. Other signs observed included: mild to severe dyspnea; ataxia; diarrhea; salivation; piloerection; pale red facial stains; wet, greasy and soiled fur; pale eyes and extremities; prostration; dyspnea. Necropsy revealed: pale lungs; pale, tan, stool; liver; enlarged bladder and stomach; slurred speech.
solid in the trachea and oesophagus. Blunted teloj urge
containing reddish-black fluid. 

LD50 for
male and females greater than 5000 mg/kg.

Study Classification: Core: Guideline Data

Toxicity Category: III - CAUTION

(2) Route Dermal Toxicity Study: Stauffer Chemical
Company; lab. Report #7-10997; December 20, 1982.

Procedure: 5M and 5F rabbits received 2000 mg/kg
of the test material under occlusive wrap for 24
hour exposure. The skin was abraded on half
of the animals and left intact on the other. Males
and females rabbits were sham-treate
and treated. Observations were
made for 14 days after treatment. Necropsy
performed on all animals.

Results: No mortalities. Mild erythema and edema
noted. No toxic signs noted. No abnormalities
at necropsy. LD50 greater than 2000 mg/kg.

Study Classification: Core Guideline Data

Toxicity Category: III - CAUTION

(3) Skin Irritation Study: Stauffer Chemical Company;
lab. Report #7-10997; December 20, 1982.

Procedure: 10 rabbits received 0.5 gram of the
test material on abraded- and intact skin, site per
animal under occlusive wrap for 24 hour
exposure period. Observations made at T,
24 and 72 hours after exposure.
Results: No irritation present. Primary score was zero.

Study Classification: Care Guide Line Data

Toxicity Category: IV - CAUTION


Procedure: Three rabbits received 100 mg of the test material in one eye each. The treated eyes of three of the rabbits were washed 20-30 seconds after treatment. Observations made at 1, 24, 48, and 72 hours and at 1, 7, and 10 days after treatment.

Results: At day 1, 5% animals of the unwashed group had corneal opacity (2/5, 1/5, 4/5 = 20), iris irritation (4/5 = 1), 4/5 and 7/3 of the washed group had conjunctivitis redness (2/3, 1/3 = 3), 7/3 had chemosis (2/3 = 1, 2/3 = 2) and 4/3 discharge (1/3 = 1, 1/3 = 2, 1/3 = 3, 1/3 = 1).

At day 4, all corneal opacity and other irritation had cleared.

Study Classification: Care Guide Line Data

Toxicity Category: III - CAUTION
Molinate toxicology review

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Pages 5 through 10 are not included in this copy.

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___ Identity of product inert ingredients
___ Identity of product impurities
___ Description of the product manufacturing process
___ Description of product quality control procedures
___ Identity of the source of product ingredients
___ Sales or other commercial/financial information
X ___ A draft product label
___ The product confidential statement of formula
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