UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: November 18, 1981

SUBJECT: EPA Registration Number 10659-51
Oxy Ureabor

002088

FROM: Deloris Graham DFH 11/30/81
FHB/TSS E 11/20/81

TO: Robert Taylor
Product Manager (25)

Applicant: Occidental Chemical Company
Post Office Box 5337
Houston, TX 7701

Active Ingredient:
Sodium Metaborate Tetrahydrate.....66.5%
Sodium Chlorate.....30.0%
Bromacil (5 bromo-3-Sec-butyl-6-methyluracil.....1.5%
Inert Ingredient.....2.0%

Background: Submitted Eye Irritation Study to support change in signal word from DANGER to CAUTION. Study conducted by Bioresearch Laboratories. Data under accession number 246065. Method of support not indicated.

Recommendation:

(1) FHB/TSS finds this data acceptable to support the product tested. However since this formulation was not tested, this data cannot be used to support this change in signal words.

Review:

(1) Eye Irritation Study: Bioresearch Laboratories; Project #1739-B; September 2, 1981

Procedure: Nine New Zealand white rabbits received 100 mg of the test material into the right eye of each. The treated eyes of three of the nine rabbits were flushed for one minute with lukewarm water 20-30 seconds after application. Observations made at 24, 48 and 72 hours and at 4 and 7 days.

Results: At 24 hours in the unwashed group, no corneal opacity or iris irritation. 4/6 animals had redness (2/6=1, 2/6=2), 5/6 chemosis (3/6=1, 2/6=2), 5/6 discharge (5/6=1). At day 4, 1/6 redness (1/6=1), discharge (1/6=1). At day 7 all irritation had cleared.

At 24 hours in the washed group, no corneal opacity or iris irritation. 2/3 had redness (1/3=1, 1/3=2) 1/3 chemosis (1/3=1), 2/3 discharge (1/3=1, 1/3=2). At day 4 all irritation had cleared.

Study Classification: Core Guideline data.

Toxicity Category: III-CAUTION

SODIUM METABORATE

RIN 5117-93 Tox Review 2088

Page 3 is not included in this copy.

Pages _____ through _____ are not included in this copy.

The material not included contains the following type of information:

_____ Identity of product inert ingredients.

_____ Identity of product inert 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.

✓ A draft product label.

_____ The product confidential statement of formula.

_____ Information about a pending registration action

_____ FIFRA registration data.

_____ The document is a duplicate of page(s) _____

_____ The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.