UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: November 18, 1981

SUBJECT: EPA Registration Number 10659-53
Oxy Monobar-Chlorate

FROM: Deloris F. Graham 11/20/81
FHB/TSS

E 11/20/81

002089

TO: Robert Taylor
Product Manager (25)

Applicant: Occidental Chemical Company
Post Office Box 5337
Houston, TX 77012

Active Ingredients:
Sodium Metaborate Tetrahydrate.....68.0%
Sodium Chlorate.....30.0%
Inert Ingredients.....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 246066. 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 No. 1739-B; September 2, 1981.

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

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

1/2

Study Classification: Core Guideline data

Toxicity Category: III-CAUTION.

RINS117-93 Sodium Metaborate
Tox Review 002089

Page 3 is not included in this copy.

Pages _____ through _____ are not included.

The material not included contains the following type of information:

____ Identity of product inert ingredients.

____ Identity of product impurities.

____ Description of the product manufacturing process.

____ Description of 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.
