

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: November 18, 1981

SUBJECT: EPA Registration Number 10659-53  
Oxy Monochlorate

FROM: Deloris F. Graham  
FHB/TSS

*DFA 11/20/81*  
*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 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.

*1/3*

Study Classification: Core Guideline data

Toxicity Category: III-CAUTION.

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RIN5117-93

Sodium Metaborate

Tax Review 002089

Page 3 is not included in this copy.

Pages \_\_\_\_\_ through \_\_\_\_\_ are not included.

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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.
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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.

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