

US EPA ARCHIVE DOCUMENT

11-1-83



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

003349

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

**SUBJECT:** Baygon, Dominant Lethal Study in Mice.

**TO:** Jay Ellenberger (PM 12)  
Registration Division (TS-767C)

**FROM:** *[Signature]* 11/1/83  
Robert P. Zendzian, Ph.D.  
Toxicology Branch  
Hazard Evaluation Division (TS-769)

**THRU:** William Butler, Head  
Review Section III

*William Butler 11/4/83*  
*HP 11/4/83*

and

William Burnam, Chief  
Toxicology Branch

Registration No. 9H5199  
Tox Chem. No. 508

Registrant: Mobay

Action: Review Report of Study

Dominant Lethal Study on Male Mice to Test for Mutagenic Effects, B. Herbold, Baygon AG, Institute fur Toxicologie, Report No. 8808, January 7, 1980.

A review of the report is attached. The study is classified acceptable. Baygon had no effect on reproduction following a single oral dose of 10 mg/kg to male NMRI strain mice.

*195*

003349

DATA EVALUATION REPORT

Compound Baygon (BOE 5812315)

Citation

Dominant Lethal Study on Male Mouse to Test For Mutagenic Effects  
B. Herbold  
Baygon AG., Institut fur Toxikologie  
Report No. 8808  
January 7, 1980

Reviewed By

  
Robert P. Zendzian, Ph.D.  
Pharmacologist

10/6/83

Core Classification Acceptable

Tox Category

N/A

Conclusion Baygon had no effect on reproduction following a single oral dose of 10 mg/kg to male NMRI strain mice.

Materials

Baygon  
BOE 581235  
Propoxur  
Technical 99.2%

Mice of the NMRI strain, 8 to 12 weeks of age at the start of the study. One hundred male mice and 1200 female mice were used.

Methods

Fifty male mice were given a single oral dose of 10 mg/kg baygon and fifty male mice were used as untreated controls. Starting on the day of dosing each mouse was caged, individually with an untreated female for a sequence of 12 consecutive matings. A total of 600 females were mated with the treated males and 600 females with the untreated males.

Fourteen days after the mid point of each individual mating "the uterus of each female was examined to determine pre-implantation and post-implantation losses, the criteria of the assessment. The total implants, viable implants, dead implants, (sum of the deciduates, the resorptions and the dead embryos) and the corpora lutea were counted."

Statistical analysis was performed on the numerical data generated by the study.

2

003349

Results

No toxic effects were observed with treated male mice.

Two control treated females died on study.

The results of the uterine examinations are shown in tables one and two from the report. No compound related effect was observed in this study.

3

Propoxur Toxicology Reviews

Page \_\_\_\_\_ is not included in this copy.

Pages 4 through 5 are not included in this copy.

---

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 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
- The document is a duplicate of page(s) \_\_\_\_\_