MEMORANDUM

SUBJECT: Baygon; Dominant Lethal Study in Mice.

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

FROM: Robert F. Zondzian, Ph.D.
Toxicology Branch
Hazard Evaluation Division (TS-769)

THRU: William Butler, Head Review Section III

and

William Burnam, Chief
Toxicology Branch

Registration No. 9H5199
Tox Chem. No. 508

Registrant: Mobay

Action: Review Report of Study


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.
DATA EVALUATION REPORT

Compound Baygon (BOE 5812315)

Citation
Dominant Lethal Study on Male Mouse to Test For Mutageni7. Effects
B. Herbold
Baygon AG., Institut fur Toxikologie
Report No. 8808
January 7, 1980

Reviewed By

Robert P. Zendzian, Ph.D.
Pharmacologist

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-im-
plantation and post-implanation 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.
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.
Propoxur Toxicology Reviews

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Pages 4 through 5 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
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