

US EPA ARCHIVE DOCUMENT

DB-606
TR-3622

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

19F +16C

003622

SUBJECT: EPA #6836-25
Barquat 4250

FROM: H. W. Spencer
Toxicology Branch

TO: J. M. Tavano

DATE: June 30, 1977

The Toxicology Branch finds that the teratology study of Four Quaternary Compounds is adequate for teratological evaluation. The highest dosage of the test material was not sufficient to produce any discernable maternal toxicity.

The study used 45 control water gavage
45 aspirin 250 mg/kg/24-hr.
25 Barquat 4250 10 mg/kg/24-hr.
25 " " 25 mg/kg/24-hr.
25 " " 50 mg/kg/24-hr.

No differences from controls in reproductive indices or skeletal and soft tissue anomalies were reported excepting those in aspirin treated animals. (+ controls).

TB finds this study to be core-minimum. Though no overt maternal toxicity was observed, the high dose of 50 mg/kg, could be considered adequate since that level is 1/7 of the LD50.

This study was completed by Food and Drug Research Laboratories, Inc. dtd 2/11/77 Lab No. 5154.

H. W. Spencer
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H. W. Spencer
for ocd 9/27/77

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