

US EPA ARCHIVE DOCUMENT

118601

DATA EVALUATION RECORD

1. CHEMICAL: DPX4189
2. FORMULATION: Technical (minimum 91% purity)
3. CITATION: Acute Oral LD₅₀ study in Bobwhite Quail, H-12361, Final Report, Hazleton Laboratories America, Inc. Virginia, March 31, 1980, Acc# 0994621.

4. REVIEWED BY: Russel T. Farringer
Wildlife Biologist
Ecological Effects Branch/HED
5. DATE REVIEWED: 7/29/80
6. TEST TYPE: Acute Oral
 - A. Test Species: Bobwhite Quail
7. REPORTED RESULTS: LD₅₀ > 5,000 mg/kg

8. REVIEWER'S CONCLUSIONS: This test is scientifically sound and with an LD₅₀ of 5,000 mg/kg is practically non-toxic to upland game birds. The study does fulfill the requirement for upland game birds.

Materials/Methods

The protocol generally followed the protocols recommended by EPA's guidelines.

Statistical Analysis

Because of the lack of mortality over the dose ranges no statistical analysis was conducted.

Discussion/Results

"Two female quail dosed at 5000 mg/kg died during the study, one on day 7 and one on day 12. No deaths occurred in any other group. The LD₅₀ in both males and females, therefore, was estimated to be greater than 5000 mg/kg of body weight." (From the report).

Reviewer's Conclusion

Category: Core

Rationale: Lack of mortality indicates product is practically non-toxic at levels as high as 2,500 mg/kg. At 5,000 mg/kg, there might have been some other circumstances that caused the deaths.