DATA EVALUATION RECORD

1. Chemical: HOE-33171 OH AT 203

2. Formulation: Technical

3. Citation: Weigand (1979). Acute Oral Toxicity of HOE-33171 (HO) AT 203 to the Male Quail. Report No. # 729/79. Pharma Forschung Toxikologie, Hoechst Aktiengesellschaft, Frankfort. Acc. # 071796.

4. Reviewed By: Carol M. Natella
Wildlife Biologist
EEB/HED

5. Date Reviewed: October 11, 1983

6. Test Type: Avian acute oral LD_{50} (Japanese quail)

7. Reported Results: LD_{50} > 5,000 mg/kg

8. Reviewer's Conclusions:

The study is scientifically sound and indicates that HOE-33171 is practically non-toxic to male Japanese quail. The study, however, does not fulfill the requirements for an avian acute oral LD_{50} because the Japanese quail is not an acceptable test species.

MATERIALS/METHODS

Test Procedures

Test Animals: Male Japanese quail, 103 - 128 g. Birds were housed in wire battery cages. Temperature was maintained at 22 ± 1°C, and photoperiod was 16 hours of light per day.

Testing: 10 birds were dosed at 5,000 mg/kg. The test material was prepared as a 25% suspension and administered by gavage.

Statistical Analysis

None

Discussion/Results

There were no deaths after the administration of 5,000 mg/kg of the test material. Twenty-four hours after treatment the animals showed passiveness and ruffled plumage. The body weight gains of the treated animals were normal throughout the follow-up period. The autopsy of the birds killed after termination of the experiment produced no macroscopically visible changes.

REVIEWER'S EVALUATION

A. Test Procedure

In addition to the fact that no controls were used and the study was not performed with an acceptable test species, other deficiencies occur in the study: the age of the birds is not indicated and food consumption data were not provided.

B. Statistical Analysis

None

C. Conclusions

1. Category: Supplemental

2. Rationale: Unacceptable test species

3. Repairability: No