File No. 128850

DATA EVALUATION RECORD

1. CHEMICAL: Monoammonium-2-amino-4-(hydroxymethyl phosphinyl) butanoate

2. FORMULATION: (HOE - 39866) technical; 95.3% a.i.

3. CITATION: Ebert and Weigand. 1983. Testing for acute oral toxicity in male and female mallards (HOE 39866). Performed by Hoechst AG, Frankfurt, Fed. Rep. of Germany; submitted by American Hoechst Corp., Somerville, NJ; Registration No. 8340-EUP-RN; Accession No. 072967

4. REVIEWED BY: John J. Bascietto
Wildlife Biologist
Ecological Effects Branch/HED

5. DATE REVIEWED: November 26, 1984

6. TEST TYPE: Avian acute oral LD_{50}

A. Mallard duck, Anas platyrhynchos

7. REPORT RESULTS: 14-day LD_{50} > 2000 mg/kg

8. REVIEWER'S CONCLUSIONS: The study is scientifically sound, and with a 14-day LD_{50} > 2000 mg/kg, monoammonium-2-amino-4-(hydroxymethyl phosphinyl) butanoate, is considered "practically non-toxic" to mallard ducks. The study fulfills the intent of the Pesticide Assessment Guidelines, Subdivision E.

9. MATERIALS/METHODS:

A. Test Procedure

The study was conducted in accordance with EPA Pesticide Assessment Guidelines, Subdivision E, § 71-1, October, 1982.

B. Statistical Analysis:

N/A

10. RESULTS:

No mortalities at 0, 1000, and 2000 mg/kg.
No signs of intoxication at any time (14 days).
Bodyweight gain and food consumption, normal.
No abnormal gross pathology.

11. REVIEWER'S EVALUATION

A. Test Procedure:

The study was performed in complete agreement with protocol recommended by EEB, in the current guidelines.

B. Statistical Analysis:

No statistical analysis is necessary.

C. Results:

The results are from a scientifically sound test and indicate that the acute oral LD_{50} is greater than 2000 mg/kg. This suggests that the test material, technical monoammonium-2-amino-4-(hydroxmethyl phosphinyl) butanate, is "practically non-toxic" to mallard ducks.

D. Conclusions

1. Category: Core

2. Rationale: Guidelines

3. Repair: N/A