

US EPA ARCHIVE DOCUMENT



## DATA EVALUATION RECORD

1. Chemical: Aminotriazole *MRID 001608-1*
2. Test Material: 96.5% (technical ai), a white powder
3. Study Type: 96-hour LC<sub>50</sub>

Species Tested: Rainbow trout (Salmo gairdneri)

4. Study ID: McAllister, W.A. (1985) Acute Toxicity of Aminotriazole to Rainbow Trout (Salmo gairdneri); Report No. 33717; prepared by Analytical Bio-Chemistry Laboratories, Inc. for Union Carbide, P.O. Box 12014, T.W. Alexander Drive, Research Triangle Park, North Carolina 27709.

5. Reviewed by: Curtis E. Laird  
Fishery Biologist  
EEB/HED

Signature: *Curtis E. Laird*

Date: *9-23-86*

6. Approved by: Norman J. Cook  
Supervisory Biologist  
EEB/HED

Signature: *Norman Cook*

Date: *9-24-86*

7. Conclusions:

This study indicates Amitrole is practically nontoxic to rainbow trout with an LC<sub>50</sub> greater than 1000 mg/L. This study does fulfill the requirements in support of registration.

8. Recommendations: N/A.

9. Background:

EEB requested this study in order to fulfill the data gap in the reregistration process.

10. Discussion of Individual Test: N/A.

11. Materials and Methods:

- a. Test Animals: Rainbow trout Salmo gairdneri from Trout Lodge in McMillin, Washington; mean weight = 0.36 g.
- b. Test System: Five (5) gallon glass/15 L of test solution; static exposure to 12 °C temperature; 96 hours duration.
- c. Dose: Static bioassay using nominal concentration; no solvent used.
- d. Design: Ten fish per dose level; five dose levels plus a control (0, 62.5, 125, 250, 500, and 1000 mg/L).
- e. Statistics: Stephan's et al. 1978 computer program for calculating LC<sub>50</sub>.

12. Reported Results:

The study author found that the 96-hour LC<sub>50</sub> was > 1000 mg/L for Aminotriazole. The 24- and 48-hour LC<sub>50</sub> value is > 1000 mg/L.

13. Study Author's Conclusions:

96-hour LC<sub>50</sub> > 1000 mg/L. The study was conducted following the intent of Good Laboratory Practice Regulations and the final report was reviewed by ABC Laboratories, Inc., Quality Assurance Unit. All original raw data were provided to Union Carbide Analytical Bio-Chemistry Laboratories.

14. Reviewer's Discussion and Interpretation of the Study

- a. Test Procedures: The test procedure complied with the recommended EPA Protocol of October 1982 (Part 158).
- b. Statistical Analysis: No statistics were performed due to lack of mortality.
- c. Discussion/Results: The 96-hour LC<sub>50</sub> > 1000 ppm for Aminotriazole indicates this product is practically nontoxic to rainbow trout.
- d. Adequacy of Study:
  1. Category: Core
  2. Rationale: N/A
  3. Reparability: N/A

15. Completion of One-Liner: Yes.

16. CBI Appendix: N/A.