

US EPA ARCHIVE DOCUMENT

9-18-90

Data Evaluation Report  
Ecological Effects Branch

1. **Chemical:** Bromacil (verification required)
2. **Test Material:** Liquid VIII Concentrate - purity and identity of active ingredient not identified.
3. **Study Type:** 48 Hour Static Acute Toxicity Test with Daphnia magna
4. **Study Identification:**

**Study Author:** Surprenant, Donald  
**Laboratory:** E. G. and G. Bionomics, Wareham, Mass.  
**Study Dates:** August 10-12, 1983  
**Study Identification:** Study No. 079-0783-H55-110  
**Sponsor:** I. Schneid Inc., Atlanta, Ga.  
**EPA Identification:** MRID 137445

5. **Reviewed by:** Brian Montague, Fisheries Biologist  
Ecological Effects Branch  
Environmental Fate and Effects Division

6. **Approved by:** <sup>for</sup> Ray Matheny, Supervisory Biologist  
Ecological Effects Branch  
Environmental Fate and Effects Division

*Deni, H. Lane*  
*9/18/90*

7. **Conclusions:** This study cannot be used for registration purposes. The chemical is not properly identified, and there is some question as to whether this actually is a Bromacil formulation.
8. **Recommendations:** Get clarification concerning the identity of Liquid VIII concentrate.

*Invalid*

9. **Submission Purpose:** Was included in registration materials submitted for Bromacil.
10. **Materials and Methods:** The study would appear to have followed sound methodology with several minor deviations from accepted protocol procedures. A full review can be completed following identity of the chemical's active ingredient and it's purity.
11. **Reported Test Results:** Liquid VIII concentrate was nearly non-toxic with no reported mortality occurring after 48 hours of exposure at nominal concentrations up to 1000 ppm.
12. **Study Author's Conclusions:** " D. magna were exposed to concentrations of Liquid VIII concentrate ranging from 130 to 1000 mg/l during this study. After 48 hours of exposure no mortalities occurred among the exposed organisms."
13. **Reviewer's Discussion:** A full review of this study was not completed on this study pending confirmation of what Liquid VIII concentrate is.

**Adequacy of Study:**

**Classification:** Invalid

**Rationale:** Chemical not properly identified.

**Repairability:** Repairable

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