DATA EVALUATION REPORT

1. Chemical: Pyridate

2. Test Material: CL 9673, Degradate

3. Study Type: 48-hour LC50 with Daphnia magna

4. Study Identification: Nigitz, H. and K. Paulus, 1982, Acute Toxicity of CL-9673 to Daphnia magna, Project No. 9180, Performed by Research and Consulting Co. LTD for Chemie Linz Ag. Acc no. 005922

5. Review By: Daniel Rieder, Wildlife Biologist Daniel Rieder 4/21/89
Ecological Effects Branch
Environmental Fate and Effects Division

6. Approved By: Norman J. Cook, Head, Section 2 Norman J. Cook 5.3.89
Ecological Effects Branch
Environmental Fate and Effects Division

7. Conclusion: This study has been reviewed and found to be scientifically sound. It fulfills the requirements for an aquatic invertebrate acute toxicity test with CL-9673, a degradate of pyridate. The results show that CL-9673 is slightly toxic to Daphnia magna, with an EC50 of 26.14 ppm.

8. Recommendations: N/A

9. Background: This study was provided to support registration of Pyridate.

10. Discussion of Individual Studies: NA

11. Materials and Methods:

Test Material: CL-9673, degradate of Pyridate
Test Organisms: Daphnia magna
Source: Laboratory Stock
No/Level: 40

Age: <24 hours old
Organisms per container: 10
Test Containers: 50 ml glass beakers
Aerated: No Replicates: 4/concentration
Test Conditions: static Photoperiod: continuous twilight
Temperature: 20 ± 1°C Test Solution: Reconstituted
Controls: solvent (acetone and tween 80, a detergent)

12. Reported Results:

DO at start = 8.9 mg/l and at end = 7.5 mg/l
pH at start = 7.9 mg/l and at end = 7.42 mg/l

Test Conc. ppm	Number Tested	No. Mortality 24 hrs	48 hrs
control	40	1	2
10	40	1	2
14	40	0	2
18	40	1	2
22	40	0	7
24	40	5	8
26	39	0	22
28	40	0	24
30	40	0	34

13. Study Author's Conclusions:

48-hr. EC50=26.14 ppm
95% C.L. 25.25 to 27.19 ppm
Slope: 8.766 (logit model)

14. Reviewer's Discussion:

A. Test Procedure: The test procedure was acceptable.
B. Statistical Analysis: The raw mortality data were visually inspected and appeared consistent with the reported EC50.

C. Discussion of Results: The results indicate that the degradate of Pyridate is slightly toxic to Daphnia magna.

D. Category of Study: Core (for degradate)

15. Completion of One-Liner: Completed

16. CBI Attachments: N/A