

US EPA ARCHIVE DOCUMENT

1-EEB-08C  
6/26/98

MRID No. 438646-19

**DATA EVALUATION RECORD**  
**§ 72-2 - ACUTE EC<sub>50</sub> TEST WITH A FRESHWATER INVERTEBRATE**

1. **CHEMICAL:** Omadine® Sulfonic Acid **PC Code No.:** 088002

2. **TEST MATERIAL:** Pyridine-N-oxide-2-sulfonic acid (98.5%)  
(Omadine® sulfonic acid)

3. **CITATION:**

**Authors:** T.J. Ward, P.L. Kowalski, and R.L. Boeri  
**Title:** Acute Toxicity of Omadine® Sulfonic Acid  
(Pyridine-N-oxide-2-sulfonic acid) to the  
Daphnid, *Daphnia magna*

**Study Completion Date:** May 6, 1994

**Laboratory:** T.R. Wilbury Laboratories, Inc.,  
Marblehead, MA

**Sponsor:** Olin Corporation, New Haven, CT

**Laboratory Report ID:** 35-OL

**MRID No.:** 438646-19

**DP Barcode:** D239429

4. **REVIEWED BY:** Mark Mossler, M.S., Toxicologist,  
Golder Associates Inc.

**Signature:** *Mark Mossler*

**Date:** 6/25/98

**APPROVED BY:** Pim Kosalwat, Ph.D., Senior Scientist,  
Golder Associates Inc.

**Signature:** *P. Kosalwat*

**Date:** 6/25/98

5. **APPROVED BY:**

**Signature:**

**Date:**

6. **STUDY PARAMETERS**

**Age of Test Organism:** <24 hours  
**Definitive Test Duration:** 48 hours  
**Study Method:** Flow-through  
**Type of Concentrations:** Mean measured

7. **CONCLUSIONS:** This study is scientifically sound and fulfills the guideline requirements. A 48-hour EC<sub>50</sub> of >127 ppm ai classifies Omadine® sulfonic acid as practically non-toxic to *Daphnia magna*.

**Results Synopsis:**

EC<sub>50</sub>: >127 ppm ai  
NOEC: 32.8 ppm ai

95% C.I.: N/A  
Probit Slope: N/A

*A/S*

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