

US EPA ARCHIVE DOCUMENT



(1DR03B)

DATA EVALUATION RECORD

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CASE ALDICARB PM 1/20/84

CHEM 098301

BRANCH EEB DISC TOPIC

FORMULATION 00 Active Ingredient

FICHE/MASTER ID BOWOAL08 CONTENT CAT 01

Vilkas, A. 1977. The acute toxicity of aldicarb technical to the water flea, Daphnia magna Atraus. 7pp. Submitted by Union Carbide Corp. PP 6F1847; Reg # 1016-69/78; Acc. # 096683 (BOWOAL08).

SUBST. CLASS =

OTHER SUBJECT DESCRIPTORS

PRIM:  
SEC:

DIRECT REVIEW TIME = (MH) START DATE END DATE

REVIEWED BY: Larry Turner  
TITLE: Wildlife Biologist  
ORG: EEB  
LOC/TEL:

SIGNATURE: *Larry Turner* DATE: 4/2/84

REVIEWED BY:  
TITLE:  
ORG:  
LOC/TEL:

SIGNATURE: DATE:

Chemical: Aldicarb

Formulation: Technical (100% A.I.)

Citation: Vilkas, Algirdas G. 1977. The acute toxicity of aldicarb technical to the water flea, Daphnia magna Atrous. 7p. Submitted by Union Carbide Corp. pp6F1849; Reg# 1016-69/78; Acc# 096683 (BOWDLO8).

Reviewed By: Larry Turner

Title: Wildlife Biologist

ORG: Ecological Effects Branch (EEB)

Test Type: 48-hour static freshwater bioassay

A. Species - Daphnia magna

Reported Results:

95% C.L.

48-hour LC50 = 410.7 mg/L (338.3-498.6)

No effect level was < 100 ug/L.

Reviewer's Conclusions:

This bioassay is scientifically sound and demonstrates that aldicarb is very highly toxic to freshwater invertebrates. This study will fulfill the requirements for a 48-hour freshwater invertebrate study.