

US EPA ARCHIVE DOCUMENT



CASE GS0140 ALDICARB PH 9/29/82

CHEM 098301

BRANCH EEB DISC TOPIC Special Order

FORMULATION 01 Technical Chemical

FICHE/MASTER ID 00102134 CONTENT CAT 01

Schneider, C. (1979) The Acute Toxicity of Aldicarb Technical to the Bluegill Sunfish (Lepomis macrochirus Rafinesque); UCES Proj. No. 11504-14-04. (Unpublished study received Dec 12, 1979 under 1016-78; submitted by Union Carbide Corp., Arlington, VA; COL:099120-D)

SUBST. CLASS # 5.

OTHER SUBJECT DESCRIPTORS

PRIM:

SEC:

DIRECT RV# TIME # (MM) START-DATE END DATE

REVIEWED BY: Charles Bowen
TITLE: Fisheries Biologist
ORG: EEB/HED
LOC/TEL:

SIGNATURE: [Handwritten Signature]

DATE: 3/29/84

APPROVED BY:
TITLE:
ORG:
LOC/TEL:

SIGNATURE:

DATE:

DATA EVALUATION RECORD

Chemical: Aldicarb

Formulation: Technical (100% A.I)

Citation: Schneider, C., A. Vilkas and C. Hutchinson. (1979) The acute toxicity of Aldicarb technical to the Bluegill Sunfish (Lepomis Macrochirus Rafinesque): UCES Proj. No. 11504-14-04. (unpublished study received Dec. 12, 1979 under 1016-78; submitted by Union Carbide Corp., Arlington, VA.) (00102134).

Reviewed by: Charles A. Bowen II

Title: Wildlife Biologist

ORG: Ecological Effects Branch (EEB)

Test Type: 96-hour static freshwater bioassay

A. Species - Bluegill (Lepomis macrochirus)

Reported Results:

95% C.L.

96-hour LC₅₀ = 63.3 ppb (52.2-76.7 ppb)

96-hour NOEL = 32.0 ppb

Reviewer's Conclusions:

This bioassay is scientifically sound and demonstrates that aldicarb is very highly toxic to warmwater fish. This study will fulfill the requirements for a 96-hour warmwater fish bioassay.