

US EPA ARCHIVE DOCUMENT

EEB BRANCH REVIEW

DATE: IN 9-26-80 OUT 10-10-80

72-1

FILE OR REG. NO. 2749-UIT , 33660-ER

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED 9-26-80

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, H, F, N, R, S Insecticide

DATA ACCESSION NO(S). 243084

PRODUCT MANAGER NO. G. LaRocca (15)

PRODUCT NAME(S) Endosulfan

COMPANY NAME IPICI Industria Prodotti Chimici

SUBMISSION PURPOSE Registration for manufacturing

Use

SHAUGHNESSEY NO.

CHEMICAL, & FORMULATION

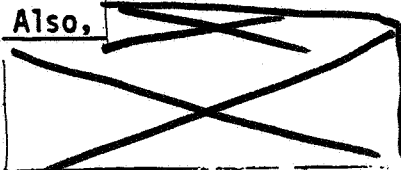
% A.I.

1001-079401

Endosulfan

94%

Also,



of the formulation,

respectively. They do not

have Shaughnessy numbers.

100 Pesticide Label Information

The registrant is requesting registration for a manufacturing use. A bluegill (Lepomis macrochirus) LC₅₀ was submitted in support of the registration

103.2.3 Fish Acute LC₅₀

Evaluation Record

- 1. Chemical: Endosulfan
- 2. Formulation: Technical (100% a.i.)
- 3. Reviewer: Robert K. Hitch, Fish and Wildlife Biologist, EEB/HED.

4. Date Reviewed:
10/10/1980

5. Citation:

Buccafusco, R.J. and B.H. Sleight III
1976. Acute toxicity of endosulfan tecnico to bluegill (Lepomis macrochirus)
E.G.&G Bionomics. Wareham Mass. Unpublished
Accession No. 243084.-

6. Authors Conclusion

24 hr LC₅₀ = >4.2 <6.5
48 hr LC₅₀ = 2.8 (2.3-3.4, 95% C.I.)
96 hr LC₅₀ = 1.7 (1.0-2.1, 95% C.I.)

7. Reviewer's Conclusion

The author's conclusions are supported by the dose - response data and the study should be considered core.

107. Conclusions

Given the large-scale use patterns already registered and the large environmental toxicity data base for endosulfan, the incremental risk and, in turn, the manufacturing use registration are acceptable to the Ecological Effects Branch.

(2)

Also the 1976 Bionomics bluegill LC₅₀ (Acc 243084) satisfies the requirement for a 96 hr LC₅₀ with a warmwater fish. **RKH**

Bob Hitch
Bob Hitch
Fish and Wildlife Biologist
EEB/HED

Date: 10/14/80

John Bascietto
John Bascietto
Acting Section Head
Review Section #3, EEB

Date: 10/15/80

Clayton Bushong
Clayton Bushong
Chief EEB/HED

Date: 10/16/80