

US EPA ARCHIVE DOCUMENT

079401
SHAUGHNESSE NO.

EEB # 8
REVIEW NO.

EEB BRANCH REVIEW

DATE: IN 1-10-84 OUT 2-27-84

FILE OR REG. NO. 8340-13

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 12-23-84

DATE RECEIVED BY HED 1-6-84

DATE REQUESTED COMPLETION DATE 3-6-84

EEB ESTIMATED COMPLETION DATE 3-6-84

REASON FOR ACTION CODE/TITLE OF REVIEW 660/Reg. Std.

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

DATA ACCESSION NO(S) 252043

PRODUCT MANAGER NO. G. LaRocca (15)

PRODUCT NAME(S) Thiodan

COMPANY NAME American Hoescht Corporation

SUBMISSION PURPOSE Submission of data plus extension
request on certain studies

SHAUGHNESSE NO.	CHEMICAL, & FORMULATION	% A.I.
079401	Endosulfan (Tech)	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

29 FEB 1984

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

TO: George LaRocca, PM 15
Registration Division, TS-767c

THRU: Dave Coppage, Head Sec. 3 *DCP*
Ecological Effects Branch
Hazard Evaluation Division, TS-769c

THRU: Clayton Bushong, Chief *CB*
Ecological Effects Branch
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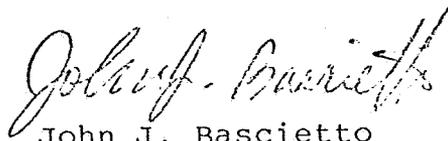
SUBJECT: EEB Review of Endosulfan (Reg No. 8340-13)
Data submitted in response to Registration
Standard data requests. Accession No. 252043.

EEB received and reviewed three (3) data submissions under Reg. NO. 8340-13. These data were submitted in response to the Agency's Registration Standard for Endosulfan. We make the following conclusions regarding acceptability of the studies:

- FN*
- Roberts, N.L. and C.N. Phillips. 1983. *MRED 137189*
- Acute toxicity to Bobwhite quail. The study is scientifically sound. The guidelines requirement is satisfied. Technical endosulfan is "highly toxic" to Bobwhite quail; LD₅₀ = 42 (25-56) mg/kg, single oral dose. *35*
- J*
- Roberts, N.L. and C.N. Phillips. 1983. *MRED 136998*
- Acute toxicity to mallard duck. The study is scientifically sound. The guidelines requirement is satisfied. Technical endosulfan is "highly toxic" to mallard duck; LD₅₀ = 28 (22-36) mg/kg, single oral dose.
- Fischer, R. 1983.
- Acute toxicity to Rainbow Trout. The study is scientifically sound. The guidelines requirement is satisfied, but the author's conclusions are not accepted. The 96-Hr. LC₅₀ for Rainbow Trout is recalculated by EEB to 0.83 (0.54-1.18) ug/L. Technical endosulfan is "very highly toxic" to Rainbow Trout.

Regarding the registrant's request for an extension of the deadlines for submitting the avian reproduction studies, since the deadline of NOV, 1983 is well past, there is little point in EER commenting on this request.

The avian reproduction study protocols submitted appear adequate to perform a guidelines study.



John J. Bascietto
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