

US EPA ARCHIVE DOCUMENT

TDMS

DATA EVALUATION RECORD

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CASE GS 0014

ENDOSULFAN

PM

9/15/79

CHEM 079401

BRANCH EEB DISC TOPIC

FORMULATION unknown

FICHE/MASTER ID 05000819

CONTENT CAT

Korn S. and R. Earnest. 1974. Acute toxicity of twenty insecticides to striped bass Morone saxatilis. California Fish & Game, 60(3): 128-131.

SUBST. CLASS =

DIRECT REVIEW TIME = 2 hr. (MH) START DATE 8/27 END DATE 8/27

REVIEWED BY: John J. Bascietto
TITLE: Wildlife Biologist
ORG: EEB/HED
LOC./TEL: 557-5610

SIGNATURE:

DATE:

APPROVED BY:
TITLE:
ORG:
LOC/TEL:

SIGNATURE:

DATE:

Reviewer's Conclusions:

This study contains data derived from studies which are scientifically sound. With an LC₅₀ less than 1 ppb, endosulfan is very highly toxic to striped bass. The study does not satisfy the guidelines requirement for a 96-hr LC₅₀ on fish because of non-recommended test species, unknown % a.i., and incomplete reporting of results.

Data Evaluation Record

1. Chemical: Endrin, Endosulfan, DDT, Dursban, Carbaryl, Abate, DDD, Heptachlor, Methoxychlor, Toxaphene, Aldrin, Lindane, Chlordane, Malathion, Parathion, Dieldrin, E.P.N., Fenthion, Dibrom, and Methyl Parathion.
2. Formulation: Endrin, 99% a.i.; ~~Endosulfan 2~~ a.i.; DDT 77.2% a.i.; Duraban 99 + % a.i.; DDD 99% a.i.; Heptachlor 99 + % a.i.; Methoxychlor 89.5% a.i.; Toxaphene 100% a.i.; Aldrin 90% a.i.; Lindane 100% a.i.; Chlordane 60% a.i.; Malathion 95% a.i.; Parathion ? a.i.; Dieldrin 85% a.i.; E.P.N. 87.7% a.i.; Fenthion ? a.i.; Dibrom 90% a.i.; Methyl Parathion 80% a.i.; Carbaryl 98% a.i.; Abate 90% a.i.
3. Citation: Korn, Sid and Earnest, Russell (1974), "Acute Toxicity of Twenty Insecticides to Striped Bass, Morone saxatilis", Calif. Fish and Game, 60(3):128-131. (ID #05000819)
4. Reviewed By: Miachel Rexrode
Fishery Biologist
EEB/HED
5. Date Reviewed: 9/15/79
6. Test Type: Aquatic acute LC₅₀ 96-hr. (Estuarine)
 - A. Test Species: Striped Bass Morone saxatilis
7. Reported Results:

Endrin, Endosulfan, DDT, and Dursban proved to be the most toxic to striped bass, TL₅₀ <1 mg/l. Carbaryl and Abate were at the other end of the scale, proving to be relatively non-toxic with TL₅₀ >1000 mg/l.
8. Reviewer's Conclusions:

This study contains data derived from studies which have been determined to be scientifically sound but do not satisfy the intent of the proposed guidelines.

BA007915