

TBMS

DATA EVALUATION RECORD

MULTIPLE
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9-14-81

CASE GS 0014

Endosulfan

PM / /

CHEM 079401

BRANCH EEB

DISC

FORMULATION Technical

FICHE/MASTER ID BA007916

CITATION: Schafer, E.W. 1972 The acute oral toxicity of 369 Pesticidal
pharmaceutical and other chemicals to wildl birds.
Toxicol. Appl. Pharmacol. 21: 315-330.

SUBST. CLASS=

OTHER SUBJECT DESCRIPTORS
PRIM:

DIRECT REVIEW TIME= 2 hrs (MH) START DATE 9/14/81 END DATE 9/14/81

REVIEWED BY: (Wildlife Biologist)
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DATE: 9/14/81

APPROVED BY:
TITLE:
ORG:
LOC/TEL:

SIGNATURE:

DATE:

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CONCLUSIONS: The study is scientifically sound but cannot meet core guidelines requirements because of species tested and unstandardized methods used. The results are considered accurate for endosulfan as the LD50 value is substantiated by results from other scientific studies. No review for the other chemicals was made due to time constraints.

Methods and Materials:

Chemicals were either purchased or solicited from cooperating firms. Wildtrapped birds were preconditioned to captivity for 2-6 weeks. They were dosed by gavage with solutions or suspensions of the test materials in propylene glycol according to methods referenced in the paper, but not necessarily within guidelines methods. LD50 values calculated by acceptable referenced methods.

Reported Results (for Endosulfan only):
Starling LD50 = 35 mg/kg

Discussion:

This study was discovered during the last week of Phase III of the Standards process so that a complete review was not possible because of the time constraints. The paper merely reports results of the studies and no details of methods or results analysis are given for any chemical. Since methods of testing and statistical calculation were referenced from the published literature, the results of these tests are assumed to be scientifically obtained, but time did not permit a rigorous review of the referenced papers. The results should be used with caution.