

US EPA ARCHIVE DOCUMENT

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DATA EVALUATION RECORD

CASE: GS0333

FENAMIPHOS

CONT-CAT: 01 GUIDELINES: 71-1

MRID: 37974

Crawford, C.R.; Nelson, D.L. (1970) The Acute Oral Toxicity of Bay 68138 3 Lb./Gal. S.C. to Mallard Ducks: Report No. 26544. (Unpublished study received May 23, 1973 under 3F1399; submitted by Chemagro Corp., Kansas City, MO; CDL:093742-H).

REVIEW RESULTS:

VALID _____ INVALID X INCOMPLETE _____

GUIDELINE: SATISFIED _____ PARTIALLY SATISFIED _____ NOT SATISFIED X

DIRECT RVW TIME = START DATE: END DATE:

REVIEWED BY: Richard W. Felthousen

TITLE: Wildlife Biologist

ORG: EEB/HED

LOC/TEL: 557-1392

SIGNATURE: *Richard W. Felthousen*

DATE: 12/06/86

APPROVED BY: O. Gutenson

TITLE: Acting Registration Standard Coordinator

ORG: EEB/HED

LOC/TEL:

SIGNATURE: *O. Gutenson*

DATE: 12/24/87

The study is inadequate because it did not test sufficient birds/dosage level; did not ID % ai; did not show statistical analyses and did not fully describe all methods.

103.1.2 Bird

DATA REVIEW NUMBER: ES C2

TEST: Avian Acute Oral Mallard

SPECIES: Mallard (Anas platyrhynchos)

RESULTS: Male and Female LD₅₀ between 2.5 - 3 mg
Formulation/kg

CHEMICAL: Bay 68138 3 lbs./gal. (% A.I., assumed 35%)

TITLE: The Acute Oral Toxicity of Bay 68138 3 lbs/gal.
S.C. to Mallard Ducks

ACCESSION NO: D91689 Report No. 26544

STUDY DATE: Unknown

RESEARCHER: Crawford, C. R. and D. L. Nelson
Chemagro Corporation
Research Division

REGISTRANT: Chemagro Chemical Corp.

VALIDATION CATEGORY: Supplemental [Formulation]

CATEGORY REPAIRABILITY: No - The study did not test 10
birds dose level, did not properly identify the
% A.I. tested, did not show statistical analysis
and did not give a detailed outline of methods.
Interpolation of the LD50 value to 100% A.I.
assuming 35% A.I. tested gives .87 mg/kg which
agrees with other research. The study tested the
formulated product rather than the technical.

*Burd B.W.
Q-Male
Nemacuro*

.5 100 0.5
 -.3010299957
 -.3010299957
 0.
1.9098
 1.
 0.62
 -.2076083105
 -.2076083105
 .6989700043
4.1584
 2.
 0.79
 -.1023729087
 -.1023729087
 .7923916895
 4.7467
 3.
 1.
 0.
6.2816
 4.
 1.25
 0.096910013
 0.096910013
 1.897627091
8.719
 5.
 5.
 I X
 2.532895527
 2.532895527
 0.482158689
 0.482158689
 3.034999955
 5.
 OP
 15
 .0178997877
 .0178997877
 1.042076945
 1.042076945 *↳ 50*
 OP
 12
 4.95035395
 4.95035395
 2.773555272

CLR
 CLR
 PGM
 1
 SBR
 CLR
 RST
 LOG
 XIT
 Σ+
 LOG
 XIT
 Σ+
 LOG
 XIT
 Σ+
 LOG
 XIT
 Σ+
 LOG
 XIT
 Σ+
 I X
 XIT
 ILOG
 ILOG
 OP
 15
 ILOG
 OP
 12
 XIT

*Burd
P.W.Q.
Nemacuro*

0.
 0.
 0.
 " -"
 0.5
 -.3010299957
 -.3010299957
 0.
 4.1584
 1.
 0.62
 -.2076083105
 3.7184
 2.
 0.79
 -.1023729087
 -.1023729087
 1.698970004
 5.
 3.
 1.
 0.
 0.
 .8976270913
 5.2533
 4.
 1.25
 0.096910013
 0.096910013
 1.
 5.8416
 5.
 5.
 I X
 .8531940565
 .8531940565
 0.376909217
 0.376909217
 2.381821532
 5.
 OP
 15
 -.1648830508
 -.1648830508
 .6840958396
 .6840958396 *↳ 50*
 OP
 12
 4.860670306
 4.860670306
 -.8450213247

CLR
 PGM
 1
 SBR
 CLR
 RST
 LOG
 XIT
 Σ+
 LOG
 Σ+
 LOG
 XIT
 Σ+
 XIT
 Σ+
 I X
 XIT
 ILOG
 OP
 15
 ILOG
 OP
 12
 XIT