

US EPA ARCHIVE DOCUMENT

DATA EVALUATION RECORD

CASE: GS0333

FENAMIPHOS

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CONT-CAT: 02            GUIDELINES: 72-2  
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MRID: 94220

U.S. Fish and Wildlife Service, Pesticide Field Station (1970)  
Bioassay Screening Test: Mobay 26522. (Unpublished study;  
CDL:007178-E).

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REVIEW RESULTS:

VALID \_\_\_\_\_ INVALID X INCOMPLETE \_\_\_\_\_

GUIDELINE:            SATISFIED \_\_\_\_\_ PARTIALLY SATISFIED · \_\_\_\_\_ NOT SATISFIED X  
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DIRECT RVW TIME =                      START DATE:                      END DATE:

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REVIEWED BY: Richard W. Felthousen

TITLE: Wildlife Biologist

ORG: EEB/HED

LOC/TEL: 557-1392

SIGNATURE: *R. W. Felthousen*

DATE: 12/04/86

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APPROVED BY: O. Gutenson

TITLE: Acting Registration Standard Coordinator

ORG: EEB/HED

LOC/TEL:

SIGNATURE: *O. Gutenson*

DATE: *12/21/87*

Screening tests were performed on the eastern oyster, pink shrimp and sheepshead minnow. Because of such factors as dosage levels, number of organisms tested and formulation none of these tests fulfill data requirements for marine organisms.

103.1.4 Aquatic Invertebrates

DATA REVIEW NUMBER: ES S1

TEST: 48-hour Acute LC<sub>50</sub>

SPECIES: Eastern Oyster (Crossostrea virginica)

RESULTS: No effect at 1.0 ppm.  
There was a 50% decrease in shell deposition noted compared to controls at 96-hours exposure.

CHEMICAL: Namacur 68138 3 lbs/gal spray conc. (35% A.I.)

TITLE: Toxicity Studies on Crustacea, Mollusks and Fish.  
J. L. Lowe  
USDI Bureau of Commercial Fisheries  
Gulf Breeze, Florida

ACCESSION NO: 120301 Report No. 26522

STUDY DATE: January 12, 1970

RESEARCHER: Jack L. Lowe  
Bureau of Commercial Fisheries  
Pesticide Field Station  
Gulf Breeze, Florida  
(Now EPA Pest Research Lab)

REGISTRANT: Chemagro

VALIDATION CATEGORY: Supplemental

CATEGORY REPAIRABILITY: No - This study only tested three dose levels and did not determine any mortality effect, while only testing up to 1 ppm.

103.1.4 Aquatic Invertebrates

DATA REVIEW NUMBER: ES M1

TEST: Acute 48-hour LC<sub>50</sub>

SPECIES: Pink Shrimp (Penaeus duorarum)

RESULTS: 24-hour EC<sub>50</sub> 0.28 mg/l (ppm)

48-hour EC<sub>50</sub> 0.15 mg/l (ppm)

screening test

CHEMICAL: Nema-cur 3 lbs/gal spray concentrate (35% A.I.)

TITLE: Toxicity Studies on Crustacea, Mollusks and Fish  
J. L. Lowe

USDI, Bureau of Commercial Fisheries  
Gulf Breeze, Florida

ACCESSION NO: 120301 Report No. 26522

STUDY DATE: January 12, 1970

RESEARCHER: Jack L. Lowe  
Bureau of Commercial Fisheries  
Pesticide Field Station  
Gulf Breeze, Florida  
(Now EPA Pest Research Lab.)

REGISTRANT: Chemagro

VALIDATION CATEGORY: Supplemental

CATEGORY REPAIRABILITY: Yes - The study could go to Core for Formulated product if all test methods were submitted, particularly the number of organisms used/dose level. This study cannot support technical grade material, and it is not a fresh water invertebrate. Study was not a 96-hour LC<sub>50</sub> as required.

103.1.3 Fish

DATA REVIEW NUMBER: ES Q1

TEST: Fish Acute 96-hour LC<sub>50</sub> - marine

SPECIES: Sheepshead minnow (Cyprinodon variegatus)

RESULTS: 24-hour EC<sub>40</sub> = 1.0 ppm

48-hour EC<sub>50</sub> = 0.32 ppm

CHEMICAL: Nema-cur 68138 3 lbs/gal spray concentrate  
(35% A.I.).

TITLE: Toxicity Studies on Crustacea, Mollusks and Fish.  
J. L. Lowe  
USDI, Bureau of Commercial Fisheries  
Gulf Breeze, Florida

ACCESSION NO: 120301 Report No. 26522

STUDY DATE: January 12, 1970

RESEARCHER: Jack L. Lowe  
Bureau of Commercial Fisheries  
Pesticide Field Station  
Gulf Breeze, Florida  
(Now EPA Pest Research Lab)

REGISTRANT: Chemagro

VALIDATION CATEGORY: Supplemental

CATEGORY REPAIRABILITY: No - Only 3 test levels were tested,  
methods were not outlined and the number of fish  
tested were not given.  
The study was not an 96-hour LC<sub>50</sub>.