

Thaughnessy No. 109901

Triadimefon
Chemical Name

Chemical Class

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Study/Species/Lab/ Accession # Chemical # a.i. Results Reviewer/ Date Validation Status

14-Day Single Dose Oral LD50, >4000 95% C.L. Contr. Mort.(%) = -
 Species: Mallard Tech LD50 mg/kg ()
 Slope = # Animals/Level = - Age(Days) = Adult
 Lab.: Chemagro Felthousen Core
 Sex = M/F
 14-Day Dose Level mg/kg/(% Mortality)
 Acc. #: Ag. Div. 4000 (0), 2000 (0), 1000 (0), 500 (0), () 5-11-77
 231311
 Comments:

14-Day Single Dose Oral LD50, 95% C.L. Contr. Mort.(%) =
 Species: LD50 = mg/kg ()
 Slope = # Animals/Level = Age(Days) =
 Lab.: Sex =
 14-Day Dose Level mg/kg/(% Mortality)
 Acc. #: (), (), (), (), ()
 Comments:

8-Day Dietary LC50, >4640 95% C.L. Contr. Mort.(%) = ?
 Species: Bobwhite 93% LC50 ppm ()
 Slope = - # Animals/Level = 10 Age(Days) = 14
 Lab.: quail Felthousen Core
 Sex = M/F
 8-Day Dose Level ppm/(% Mortality)
 Acc. #: Wildlife International 10,000 (?), 4640 (?), 2150 (?), 1000 (?), 464 (?) 4-25-77
 231311
 Comments:

8-Day Dietary LC50, >10,000 95% C.L. Contr. Mort.(%) = ?
 Species: Mallard 93% LC50 ppm ()
 Slope = - # Animals/Level = 10 Age(Days) = 14
 Lab.: Wildlife Inter- Felthousen Core
 national Sex = M/F
 8-Day Dose Level ppm/(% Mortality)
 Acc. #: 10,000 (0), 4640 (0), 2150 (0), 1000 (0), 464 (0) 4-25-77
 231311
 Comments:

96-hour LC50, 95% C.L. Contr. Mort.(%) =
 Species: Bluegill 93% LC50 = 11 ppm (9.7-12) Sol. Contr. Mort.(%) =
 Slope = # Animals/Level = 10 Temperature = 18°C Felthousen Core
 Lab.: Chemagro
 96-Hour Dose Level pp/(% Mortality)
 Acc. #: 21.8 (*?), 14.8 (?), 10.1 (?), 6.9 (?), 4.7 (?) 5-3-77
 231311
 Comments: *Typographical errors in DER

96-hour LC50, 95% C.L. Con. Mor(%) = 0
 Species: Rainbow 93% LC50 = 14 ppm (12-16) Sol. Con. Mor.(%) = - Felthousen Core
 trout Temp. = 12°C 5-3-77
 Lab.: Chemagro
 96-Hour Dose Level pp/(% Mortality)
 Acc. #: 21.8 (100), 14.8 (70), 10.1 (0), 6.9 (10), 4.7 (0),
 3.2 (0)
 231311
 Comments:

48-hour Invertebrate, 95% C.I. Con. Mort.(%) = 0
 Species: D magna Tech LC50 = 1.6 ppm (1.2-2.1) Sol. Con. Mort.(%) = - Felthousen Core
 Lab.: Chemagro Temp. = 72°F 3-14-77
 96-Hour Dose Level pp/(% Mortality)
 Acc. #: 2.2 (80), 1.6 (40), 1.1 (30), 0.8 (20), 0.6 (0),
 0.4 (LO)
 231311
 Comments: 1st & 2nd instars

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Study/Species/Lab/ Accession #	Chemical % a.i	Results	Reviewer/ Date	Validation Status
14-Day Single Dose Oral LD50,		95% C.L.		

LD50 = mg/kg () Contr. Mort.(%)=

Species; Slope= # Animals/Level= Age(Days)=

Lab.; Sex =

14-Day Dose Level mg/kg/(% Mortality)

Acc. #: (), (), (), (), ()

Comments:

14-Day Single Dose Oral LD50,		95% C.L.		
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LD50 = mg/kg () Contr. Mort.(%)=

Species; Slope= # Animals/Level= Age(Days)=

Lab.; Sex =

14-Day Dose Level mg/kg/(% Mortality)

Acc. #: (), (), (), (), ()

Comments:

8-Day Dietary LC50,		95% C.L.		
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LCS0 = ppm () Contr. Mort.(%)=

Species; Slope= # Animals/Level= Age(Days)=

Lab.; Sex =

8-Day Dose Level ppm/(%Mortality)

Acc. #: (), (), (), (), ()

Comments:

8-Day Dietary LC50,		95% C.L.		
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LCS0 = ppm () Contr. Mort.(%)=

Species; Slope= # Animals/Level= Age(Days)=

Lab.; Sex =

8-Day Dose Level ppm/(%Mortality)

Acc. #: (), (), (), (), ()

Comments:

96-hour LC50,		95% C.L.		
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LCS0 = 15 ppm (13-17) Contr. Mort.(%)=

Species; Channel Cat. 9377 Slope= # Animals/Level= 10 Sol. Contr. Mort.(%)=

Lab; Chemagro Temperature = 18 Felthousen Core

Acc. #: 231311 28.9(?), 20.6(?), 14.7(?), 10.5(?), 7.5(?) 5-3-77

Comments: * Typographical errors in DER

96-hour LC50,		95% C.L.		
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LCS0 = pp () Con. Mor(%)=

Species; Slope= # Animals/Level= Sol. Con. Mor.(%)=

Lab.; Temp.=

96-Hour Dose Level pp /(%Mortality)

Acc. #: (), (), (), (), ()

Comments:

48-hour Invertebrate,		95% C.I.		
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LCS0 = pp () Con. Mort.(%)=

Species; Slope= # Animals/Level= Sol. Con. Mort.(%)=

Lab.; Temp.=

96-Hour Dose Level pp /(%Mortality)

Acc. #: (), (), (), (), ()

Comments:

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Study/Species/Lab/
Accession # _____

Chemical
% Active _____

Results

Reviewer/
Date _____

Validation
Status _____

Avian Reproduction,

Group _____ Dose(ppm) _____ Effected/Parameters _____ Mort.(%) _____ %ChE Inh. _____

Species: Mallard

Control _____

937b

Treatment I 20 _____

Rieder Supplem.

Lab: Mobay Chemical Corp.

Treatment II 100 _____

9-13-82

Acc. #: 248117

Treatment III 500 _____

Study Duration: 14 days post-hatch

Comments:

NEC > 500ppm. Poor reproductive success in controls.

Field Study(Simulated/Actual)

Group _____ Rate(ai/a) _____ Treatment Interval _____ Total # Treatments _____ Mor.(%) _____

Species: _____

Control _____

Treatment I _____

Lab: _____

Treatment II _____

Acc. #: _____

Treatment III _____

Crop/Site: _____ Study Duration: _____

Comments: _____

Chronic fish,

Concentrations Tested (ppb) = 50, 150, 450, 1350, 4050

Species Rainbow trout

937b

MAIC = > _____ < _____ ppb. Effected Parameter = _____

Lab: ?

Contr. Mort.(%) = 8.23% Sol. Contr. Mort.(%) = _____

Rieder Supplem.

Acc. #: 248117

Comments:

9-16-82

17 day LC50 = 1270ppb; test lasted only 17 days

Chronic invertebrate,

Concentrations Tested (ppb) = 37, 87, 154, 314, 710

Species Daphnia magna

937b

MAIC => 154 < 314 ppb. Effected Parameter(s) Reprod. Impairm.

Lab: Mobay Chem. Corp.

Contr. Mort.(%) = 0 Sol. Contr. Mort.(%) = _____

Core

Acc. #: 246736

Comments:

Reprod. Impairm. 3-82

Reprod. impairment at two highest levels

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Study/Species/Lab/
Accession # _____

Chemical
& Active _____

Results _____

Reviewer/
Date _____

Validation
Status _____

Avian Reproduction,

Species: Bobwhite

Group _____ Dose(ppm) _____ Effected/Parameters _____ Mort.(%) _____ %Eh Inh. _____

Control _____

Treatment I 20

Treatment II 100

Treatment III 500

eggs cracked, fertile
eggs, viable emb., hatchlings, + 14 d. survivors

11

Rieder,

9-9-82 Core

Lab: Mobay Chemical Corp.

Acc. #: 248117

Study Duration: 14 days post-hatch

Comments: _____

Field Study(Simulated/Actual)

Group _____ Rate(ai/a) _____ Treatment Interval _____ Total # Treatments _____ MOR.(%) _____

Species: _____

Control _____

Treatment I _____

Treatment II _____

Treatment III _____

Lab: _____

Acc. #: _____

Crop/Site: _____

Study Duration: _____

Comments: _____

Chronic fish,

Concentrations Tested (pp_) = _____

Species _____

MAIC = > _____ < _____ pp_.

Effected Parameter = _____

Lab: _____

Contr. Mort.(%) = _____

Sol. Contr. Mort.(%) = _____

Acc. #: _____

Comments: _____

Chronic invertebrate,

Concentrations Tested (pp_) = _____

Species _____

MAIC => _____ < _____ pp_.

Effected Parameter(s) _____

Lab: _____

Contr. Mort.(%) = _____

Sol. Contr. Mort.(%) = _____

Acc. #: _____

Comments: _____

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Study/Species/Lab/ Accession #	Chemical % Active	Results				Reviewer/ Date	Validation Status
Avian Reproduction, Species;		Group	Dose(ppm)	Effectuated/Parameters	Mort.(%)	%ChE Inh.	
		Control	_____	_____	_____	_____	
		Treatment I	_____	_____	_____	_____	
Lab;		Treatment II	_____	_____	_____	_____	
		Treatment III	_____	_____	_____	_____	
Acc. #;		Study Duration:					
		Comments:					

Field Study(Simulated/Actual)	Group	Rate(ai/a)	Treatment Interval	Total # Treatments	Mor.(%)
Species;	Control	_____	_____	_____	_____
	Treatment I	_____	_____	_____	_____
Lab;	Treatment II	_____	_____	_____	_____
	Treatment III	_____	_____	_____	_____
Acc. #;	Crop/Site:		Study Duration:		
	Comments:				

Chronic fish,
Species Rainbow trout
Lab; Mobay Corp.
Acc.#; 251243

Concentrations Tested (ppb) = 13, 41, 116, 300, 890
 MAIC = > 41 < 116 ppb. Effectuated Parameter = growth
 Contr. Mort.(%) = 32% Sol. Contr. Mort.(%) = —
 Comments: Natella Suppl.
12-15-83 ✓

Necessary information not provided

Chronic invertebrate,	Concentrations Tested (pp_) = _____				
Species	MAIC => _____ < _____ pp_.	Effectuated Parameter(s) _____			
Lab;	Contr. Mort.(%) = _____	Sol. Contr. Mort.(%) = _____			
Acc.#;	Comments:				

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Study/Species/Lab/
Accession #
4-Day Single Dose Oral LD50,

Chemical
% a.i.

Results

Reviewer/
Date

Validation
Status

Species: Bluegill

50% WP

Lab.:

Acc. #: 254693

LD50 = mg/kg (95% C.L.) Contr. Mort.(%)=
Slope= # Animals/Level= Age(Days)=
Sex =
14-Day Dose Level mg/kg/(% Mortality)
(), (), (), (), ()

Comments:

4-Day Single Dose Oral LD50,

Species:

Lab.:

Acc. #:

LD50 = mg/kg (95% C.L.) Contr. Mort.(%)=
Slope= # Animals/Level= Age(Days)=
Sex =
14-Day Dose Level mg/kg/(% Mortality)
(), (), (), (), ()

Comments:

8-Day Dietary LC50,

Species:

Lab.:

Acc. #:

LCS0 = ppm (95% C.L.) Contr. Mort.(%)=
Slope= # Animals/Level= Age(Days)=
Sex =
8-Day Dose Level ppm/(% Mortality)
(), (), (), (), ()

Comments:

8-Day Dietary LC50,

Species:

Lab.:

Acc. #:

LCS0 = ppm (95% C.L.) Contr. Mort.(%)=
Slope= # Animals/Level= Age(Days)=
Sex =
8-Day Dose Level ppm/(% Mortality)
(), (), (), (), ()

Comments:

96-hour LC50,

Species: Bluegill

Lab.: Mohay Chem Corp.

Acc. #: 254693

Journal of
Production

50% WP

LCS0 = 16 ppm (95% C.L.) Contr. Mort.(%)= 0
Sol. Contr. Mort.(%)= -
Slope= - # Animals/Level= 10 Temperature = 24°C Lee/12.5.84 Suppl.
96-Hour Dose Level ppm/(% Mortality)
6.9 (0), 10.1 (0), 14.8 (30), 21.8 (100), 32.1 (100)

Comments:

96-hour LC50,

Species: Rainbow trout

Lab.: Mohay Chem Corp.

Acc. #: 254693

50% WP

LCS0 = 28 ppm (95% C.L.) Con. Mor(%)= 0
Sol. Con. Mor.(%)= -
Slope= - # Animals/Level= 10 Temp. = 15°C Lee
12.5.84 Suppl
96-Hour Dose Level pp /(% Mortality)
10.1 (0), 14.8 (10), 21.8 (0), 32.1 (80), 47.1 (100)

Comments:

96-hour Invertebrate,

Species: crayfish

Lab.: Mohay Chem Corp.

Acc. #: 254693

50% WP

LCS0 = 104 ppm (95% C.L.) Con. Mort.(%)= 0
Sol. Con. Mort.(%)= -
Slope= - # Animals/Level= Temp. = 19.5-21.9 °C Lee
12.10.84 Suppl.
96-Hour Dose Level pp /(% Mortality)
32 (0), 64 (0), 128 (80), 156 (100), ()

Comments:

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Study/Species/Lab/
Accession _____ Chemical
_____ % a.i.

Reviewer/
Date _____ Validatio
Status _____

14-Day Single Dose Oral LD50

Results
LD50 = mg/kg (95% C.L.) Contr. Mort. (X) =
Slope = # Animals/Level = Age (Days) =
Sex =
14-Day Dose Level mg/kg/(X Mortality)
(), (), (), (), ()

Species _____

Lab _____

Acc. _____

Comments:

14-Day Single Dose Oral LD50

LD50 = mg/kg (95% C.L.) Contr. Mort. (X) =
Slope = # Animals/Level = Age (Days) =
Sex =
14-Day Dose Level mg/kg/(X Mortality)
(), (), (), (), ()

Species _____

Lab _____

Acc. _____

Comments:

8-Day Dietary LC50

LC50 = ppm (95% C.L.) Contr. Mort. (X) =
Slope = # Animals/Level = Age (Days) =
Sex =
8-Day Dose Level ppm/(X Mortality)
(), (), (), (), ()

Species _____

Lab _____

Acc. _____

Comments:

8-Day Dietary LC50

LC50 = ppm (95% C.L.) Contr. Mort. (X) =
Slope = # Animals/Level = Age (Days) =
Sex =
8-Day Dose Level ppm/(X Mortality)
(), (), (), (), ()

Species _____

Lab _____

Acc. _____

Comments:

48-Hour LC50

LC50 = pp (95% C.L.) Contr. Mort. (X) =
Slope = # Animals/Level = Sol. Contr. Mort. (X) =
Temperature =
48-Hour Dose Level pp/(X Mortality)
(), (), (), (), ()

Species _____

Lab _____

Acc. _____

Comments:

96-Hour LC50

LC50 = 0.91 95% C.L. Probit difference
ppm (0.72 - 1.11) | Con. Mort. (X) = 0
Slope = 1.5 # Animals/Level = 1.0 x 10⁴ Sol. Con. Mort. (X) = n/a
Temp. = 24 ± 1 °C
96-Hour Dose Level ppm/(X Mortality)
0.49 (38.7) • 0.96 (48.7) • 1.9 (6% D) • 4.0 (80.7) • 8.7 (96.7)

Species Selenasteum Capricornutum

Lab Analytical Bio-chemistry
Laboratories

Acc. MRID 416160-07

Comments: mean measured concentrations

96-Hour LC50

LC50 = ppm (95% C.L.) Con. Mort. (X) =
Slope = # Animals/Level = Sol. Con. Mort. (X) =
Temp. =
96-Hour Dose Level ppm/(X Mortality)
(), (), (), (), ()

Species _____

Lab _____

Acc. _____

Comments:

LR 5/7/91 Supd
test