US EPA ARCHIVE DOCUMENT

9/20/85

ONE-LINER FORMAT FOR ENTERING DATA

Shaughnessy No. 122804 Chemical Name: Avermectin

Chemical Class: Insecticide

cut-along-line cut-along-line

Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: MSDRL Acc#: 258746	moderately polar metabolite 100%	LC50= 6.3 pp b 95% CL (2.5 to 16) ~~Slope~~ Animals/level= 20 ~~Control Mort.~~ Temperature= 20°C Sol Cont Mort= 1 48-hour dose level ppb (% mortality) 0.3 (15), 0.5 (10), 1 (20), 5 (25), 10 (70), 100 (95) Comments:	Rieder ~~Core~~ 9/20/85	Core

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Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: MSDRL Acc#: 258746	Nonpolar metabolite 100%	LC50= 25.4 pp b 95% CL (17.3 to 41.2) ~~Slope~~ Animals/level= 20 ~~Control Mort.~~ Temperature= 20°C Sol Cont Mort= 0 48-hour dose level pp b (% mortality) 0.3 (0), 0.5 (5), 1 (5), 5 (5), 10 (15), 100 (95) Comments:	Rieder 9/20/85	Core

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Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: MSDRL Acc#: 258746	Thin film metabolite 100%	LC50= 66.5 pp b 95% CL (30.9 to 260.5) Slope= 1.1 Animals/level= 20 ~~Control Mort.~~ Temperature= 20°C Sol Cont Mort= 0 48-hour dose level pp b (% mortality) 0.3 (0), 0.5 (0), 1 (0), 5 (20), 10 (15), 100 (55) Comments:	Rieder 9/20/85	Core

cut-along-line cut-along-line

Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Lab: Acc#:	____	LC50= pp____ 95% CL ( ) Slope= Animals/level= Control Mort.= Temperature= Sol Cont Mort= 48-hour dose level pp (% mortality) ( ), ( ), ( ), ( ), ( ), ( ) Comments:		

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Chemical Class: Insecticide

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Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: Merck, Sharpe & Dohme Research Labs. Acc#: 258746	MK-936 Tech.	LC50= 0.22 ppb 95% CL (0.15 to 0.5) Slope= Animals/level= 20 ~~Control Mort.=~~ Temperature= 20°C Sol Cont Mort= 0 48-hour dose level ppb (% mortality) 0.0125 (5), 0.025 (0), 0.05 (0), 0.1 (15), 0.15 (25), 0.25 (60) Comments: 0.5 (80), 1.0 (95)	Rieder 9/20/85	Core

cut-along-line cut-along-line

Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: MSDRL Acc#: 258746	Avermectin B1a 100%	LC50= 0.61 ppb 95% CL (0.516 to 0.743) ~~Slope=~~ Animals/level= 20 ~~Control Mort.=~~ Temperature= 20° Sol Cont Mort= 0 48-hour dose level ppb (% mortality) 0.0125 (5), 0.025 (0), 0.05 (5), 0.1 (15), 0.15 (15), 0.25 (0) Comments: 0.5 (30), 1.0 (90)	Rieder 9/20/85	Core

cut-along-line cut-along-line

Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: MSDRL Acc#: 258746	Avermectin B1a 100%	LC50= 0.457 ppb 95% CL (0.29 to 0.73) ~~Slope=~~ Animals/level= 20 ~~Control Mort.=~~ Temperature= 20° Sol Cont Mort= 0 48-hour dose level ppb (% mortality) 0.0125 (5), 0.025 (0), 0.05 (5), 0.1 (0), 0.15 (15), 0.25 (20) Comments: 0.5 (60), 1.0 (70)	Rieder 9/20/85	Core

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Study/Species/Lab Accession Number	Chem a.i.	Results	Reviewer Date	Valid. Status
48-hour LC50 Species: Daphnia magna Lab: MSDRL Acc#: 258746	Polar Metabolite 100%	LC50= 4.2 ppb 95% CL (1 to 100) ~~Slope=~~ Animals/level= 20 ~~Control Mort.=~~ Temperature= 20°C Sol Cont Mort= 1 48-hour dose level ppb (% mortality) 0.3 (0), 0.5 (0), 1 (20), 5 (60), 10 (5), 100 (100) Comments:	Rieder 9/20/85	Core