

US EPA ARCHIVE DOCUMENT

069005

(3-19-87)

Validation Sheet

Formulation: 92%

Chemical Name: Sumithrin -

Validator: Ray Matheny

Date: 5-9-79

Test Type: Aquatic Invertebrate Toxicity Study

Test I.D. #: RT No. 718941

Citation: Thompson, G.W. Mar. 28, 1979. Aquatic Invertebrate (Daphnia) Toxicity Study. Raltech Scientific Services, Inc. (within Accession No. 238275).

This study should be repeated

Bjm

See notes for Tetramethrin study by same author

Validation Category: Core

| Results: | <u>Species</u> | <u>Test</u> LC ₅₀ | <u>Confidence Limits</u> |
|----------|----------------------|---------------------------------|--------------------------|
| | <u>Daphnia magna</u> | >300 mg/l | N/A |

Validation Category Rationale: No LC₅₀ determination is required because there was less than 50% mortality of 30 Daphnids exposed at concentrations up to 300 mg/l. Satisfies Core data requirements

Category Repairability/Rationale: None necessary

Abstract: First instar Daphnia magna were maintained at temperatures of 17°-21° C. Thirty Daphnia were exposed at dosage levels up to 300 mg/l. After 48 hrs. there were three deaths of 30 in the control and no deaths @ the 300 mg/l level. After 72 hrs. there were six deaths @ 300 mg/l. The test material is considered non-toxic to aquatic invertebrates.

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DATA EVALUATION RECORD

PAGE 1 OF

CASE: GS0426

~~SUMETHRIN~~

Tetramethrin

CONT-CAT: 01

GUIDELINES: 72-2

MRID: 121279

Thompson, G. (1979) Aquatic Invertebrate (Daphnia) Toxicity Study: †Neo-pynamin T.G.]: RT No. 718940. (Unpublished study received May 2, 1979 under 1021-1386; prepared by Raltech Scientific Services, Inc., submitted by McLaughlin Gormley King Co., Minneapolis, MN; CDL:238275-F)

REVIEW RESULTS:

VALID _____ INVALID _____ INCOMPLETE _____

GUIDELINE: SATISFIED _____ PARTIALLY SATISFIED _____ NOT SATISFIED _____

DIRECT RVW TIME = START DATE: END DATE:

REVIEWED BY: Ken Clark

TITLE: Agronomist

ORG: EED

LOC/TEL:

SIGNATURE: Ken Clark

DATE: 3-12-87

APPROVED BY:

TITLE:

ORG:

LOC/TEL:

SIGNATURE: Henry T. Craven

DATE: 3/19/80

The study is not on sumethrin, it is on tetramethrin, and cannot be used.

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