

TDMS

DATA EVALUATION RECORD

PAGE 1 OF

CASE GS 0002

Applied

PM 110 1/1

9/8/82

CHEM 034401

BRANCH EEB

DISC

FORMULATION Tech

FICHE/MASTER ID BA04AL02

CITATION: Wheeler, R E. 1978, 48 hour acute static Toxicity of
 water (500 L) to 1st stage zygote water fleas (Daphnia
hyalina Steud.), Proceedings 1-30 79

SUBST. CLASS=

OTHER SUBJECT DESCRIPTORS

PRIM:

DIRECT REVIEW TIME=

(MH) START DATE

END DATE

REVIEWED BY: Lyk Bombardier
 TITLE: Wildlife Biologist
 ORG: AED/EEB
 LOC./TEL: 002-121/557-0000

SIGNATURE: *Lyk Bombardier*

DATE: 9/1/82

APPROVED BY:

TITLE:

ORG:

LOC./TEL:

SIGNATURE:

DATE:

In review by C. Miller 9/21/79

BEST AVAILABLE COPY

Naled

100 Pesticide Label Information

100.2 Formulation Information

Naled (91.6% Technical); Dibrom 14C (85% technical Naled)

101 Physical and Chemical Properties

101.1 Chemical Name

1,2 dibromo - 2, 2 dichloroethyl dimethyl phosphate

101.3 Common Name

Naled, dibrom

103 Toxicological Properties

103.2 Minimum Requirements

103.2.4 Aquatic Invertebrate LC₅₀

Daphnia magna 48 hr LC₅₀
Naled 0.0003 mg/l
Dibrom 0.0005 mg Naled/l

107 Conclusions

107.4 Data Adequacy Conclusions

Both studies, on technical Naled and on Dibrom 14C, are scientifically sound and show that both compounds are very highly toxic to aquatic invertebrates. However, it is the EEB's understanding that the percent active ingredient of Dibrom 14C is 85% Naled by weight. However, the sample used in the study for the formulated product is reported to contain 82.6% Naled; therefore, this study will be considered supplementary until the rationale for using the lower percent active ingredient is known. The study using technical grade Naled, however, does fulfill the requirement for an aquatic invertebrate acute LC₅₀.

Appendix: Data Evaluation Record (Naled)
Data Evaluation Record (Dibrom 14C)

Carol Matti Natella
Wildlife Biologist
Ecological Effects Branch/HED

Richard Salmons *Richard Salmons*
Wildlife Biologist
Ecological Effects Branch/HED

Clayton Bushong *Clayton Bushong*
Chief
Ecological Effects Branch/HED