US EPA ARCHIVE DOCUMENT

9/8/82

(7-3-) DATA EVALUATION RECORD PAGE 1 OF

[illegible] 92 [illegible] PM 11[illegible] 12/22/[illegible]

[illegible] 344 1 [illegible]aled (1,2-dibromo-2,2-dichloroethyl d

ARABCH EEB DIOC 4[illegible] TOPIC [illegible]51[illegible]3540

FORMULATION 12 - EMULSIFIABLE CONCENTRATE (EC DP E)

FICHE/MASTER ID 00074874 CONTENT CAT 1

Mulla, M.S.; Isaak, L.A.; Axelrod, H. (1963) Field studies on the effects of insecticides on some aquatic wildlife species. Journal of Economic Entomology 56(2):184-188. (Submitter file no. 7[illegible]6.11; also"In"unpublished submission received Sep 27, 1965 under unknown admin. no.; submitted by Chevron Chemical Co., Richmond, Calif.; CDL:125232-D)

SUBST. CLASS = S.

OTHER SUBJECT DESCRIPTORS
SEC: EEB -4 - 51[illegible]3543 EEB -40-05103544 EEB -40-05[illegible]54543
EEB -4 - 5[illegible]5[illegible]

DIRECT RVW TIME = (MM) START-DATE END DATE

REVIEWED BY: Kyle Barbehenn
TITLE: Wildlife Biologist
ORG: HED/EEB
LOC/TEL: CM2-1121/557-1121

SIGNATURE: [signature] DATE: 9/8/82

APPROVED BY:
TITLE:
ORG:
LOC/TEL:

SIGNATURE: DATE:

See attached review by R. Balcomb 4/15/78

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FORMULATION:			IA	IB	T	FW	EC	R		
% a.i.	SC#	CHEMICAL NAME	Validator:						Date:	
?		Naled	Richard Balcomb						4/15/78	
		-	Test Type:							
		Dibrom	Simulated field study							
			Test ID.# ES-CC							

CITATION: Mulla, M. S. et al. Field Studies on the Effects of Insecticid on Some Aquatic Wildlife Species. Journal of Economic Entomology. April 1963.

VALIDATION CATEGORY: Supplemental

RESULTS:

Species	Material	lbs.a.i./A	Mortality (%) Days after treatment 1	2	3	7	10
Gambusia affinis	Naled EC,8	0.5	0	0	-	-	-
		2.0	20	0	-	0	-
Rana catesbeiana (tadpoles)	" "	0.5	0	(24-hr. only)			

The experimenters concluded that naled manifests no toxicity of larvicidal or lower doses to the fish and tadpoles tested.

METHODS: The toxicant was applied to 1/16 acre test ponds as aqueous spr prepared from emulsion concentrate. Water depth was 8-12 inches and product was tested between May and November 1961.

Fish and pollywogs were confined to small screen cages. A total of 50 fish were used per pond per reading interval and 10 to 20 pollywogs depending on availability.

The animals were exposed within 1 hour of treatment and mortality re 24 hours later.

VALIDATION CATEGORY RATIONALE: (1) No data has been supplied concerning ingredients or other characteristics of the formulation called Naled EC,8. A core simulated field study should be conducted with the formulated product for which registration is sought (or at least one similar enough for reasonable extrapolation).

(2) Given the experimental design the study addresses only acute effects, i.e., 0-7 days for fish and 24 hours for tadpoles.

(3) The study did not measure the concentration of the pesticide in the ponds or report other important water parameters.

REPAIRABILITY: The study may be repaired if the questions raised in item 1 and 3 above are addressed.