

EEE BRANCH REVIEW

DATE: IN 4/13/76 OUT 7/13/76 IN _____ OUT _____ IN _____ OUT _____
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 9538-L

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED _____

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, (H) F, N, R, S Plant growth regulator

PRODUCT MGR. NO. R. Taylor

PRODUCT NAME(S) ALFOL 810, ALCOHOL

COMPANY NAME Sellers Chemical Corporation

SUBMISSION PURPOSE Data submission

CHEMICAL & FORMULATION Fatty alcohol

(1)

ALFOL 810 ALCOHOL

103.0 Toxicological Properties

103.1 Acute Toxicity

103.1,.2 Bird

Organism	Test	Result	Material
Mallard Duck	Acute Oral LD ₅₀	>4640 mg/kg.	Alfol 10 Alcohol
"	"	"	Alfol 810

103.1,.3 Fish

Organism	Test	Result	Material
Bluegill sunfish	LC ₅₀ (24-hr)	9.96 mg/l	Alfol 810
"	" (48-hr)	9.96 mg/l	"
"	" (96-hr)	9.96 mg/l	"
Rainbow trout	" (24-hr)	20.40 mg/l	"
"	" (48-hr)	9.55 mg/l	"
"	" (96-hr)	>6.5<10.0 mg/l	"
Bluegill sunfish	" (24-hr)	5.64 mg/l	Alfol 10
"	" (48-hr)	5.13 mg/l	"
"	" (96-hr)	5.05 mg/l	"
Rainbow trout	" (24-hr)	>5.6<7.5 mg/l	"
"	" (48-hr)	>4.2<5.6 mg/l	"
"	" (96-hr)	>4.2<5.6 mg/l	"

103.2 Subacute Toxicity

103.2,.2 Bird

Organism	Test	Result	Material
Mallard Duck	8-day dietary LC ₅₀	>10,000 ppm	Alfol 810
"	"	"	Alfol 10
Bobwhite Quail	"	"	"

105.0 Conclusions

Submitted fish and wildlife tests for ALFOL 10 and ALFOL 810 are acceptable and will be placed in our files.

However, prior to consideration of registration the following basic test, as per Sec. 3 Regulations will be required for these products.

A 48-hr. LC_{50} for 1 species of aquatic invertebrate.

Ruf
R. W. Elthousen
Environmental Safety
Efficacy and Ecological Effects Branch

Jwa

7/13/76

JG