

US EPA ARCHIVE DOCUMENT

1/10/78

103.1.3 Fish

DATA REVIEW NUMBER: ES G1

TEST: Fish Acute 96 hour LC<sub>50</sub> (Coldwater)

SPECIES: Rainbow Trout (Salmo gairdneri)

RESULTS: 96 hour LC<sub>50</sub> = 9.8 ppb (7.7-12.6 ppb) 95% C.L. ———

*Thin in*

No discernible effect level = 3.2 ppb

Statistical analysis by Finney Probit gave the following results.  $\chi^2 = 5.967 < \chi^2(6df) = 12.6$  indicated data are not heterogenous and compare favorably with reported values.

5.419	M						
15.556	YINT	0.011	LD50	0.019	LD90	0.007	LD10
1.529	LW M	0.010	LOCL	0.014	LOCL	0.005	LOCL
5.967	CHI <sup>2</sup>	0.013	UPCL	0.026	UPCL	0.008	UPCL

CHEMICAL: FMC - 33297 Technical (100% A.1.)

TITLE: Acute Toxicity of FMC -33297 Technical to Bluegill Sunfish (Lepomis macrochirus) and Rainbow Trout (Salmo gairdneri)

ACCESSION NO: 096699

STUDY DATE: November, 1974

RESEARCHER: Bentley, Robert E.  
Bionomics E. G. & G. Environmental Consultants  
Wareham, Massachusetts

REGISTRANT: FMC Corporation

VALIDATION CATEGORY: Core

CATEGORY REPAIRABILITY: NA

VALIDATOR: Tom O'Brien 1/10/78



FINNEY Prohibit  
EC + 6 Bromomus  
Nov 1974

0.0032  
C.  
1C.

Rainbow Trout

FMC 33297 Tech  
100%  
Acetone Solvent

0.0056  
1.  
1C.

D'Brien  
1/10/78

0.0065  
C.  
1C.

0.0087  
4.  
1C.

0.01  
5.  
1C.

0.012  
3.  
1C.

0.018  
5.  
1C.

0.028  
1C.  
1C.

$\chi^2$  6 df = 12.6

5.419 M  
15.586 YINT  
1.529 LW M  
5.987 CHI<sup>2</sup>

0.011 LD50  
0.010 LDCL  
0.013 UPCL

0.007 LD10  
0.005 LDCL  
0.008 UPCL

0.019 LD90  
0.014 LDCL  
0.026 UPCL