

US EPA ARCHIVE DOCUMENT

BACKGROUND:

Fairfield American Corp. stated in a June 23, 1958 letter from Mr. Jan Brill to George La Rocca that they discovered a need for signal word change from CAUTION to DANGER; based on original product formulation. The Co. reformulated, conducted another Primary eye irritation study, based on the new formulation, and states that the new study justifies retention of the present CAUTION signal word.

RECOMMENDATION:

The Primary eye irritation study conducted using 10% A.I. Permethrin, is acceptable to Registration Support Branch/PRS. Eye irritation persisted through 10 days, was absent by day 14.

LABELING:

- 1) Change the Permethrin Multi-Purpose 10% E.C. from "CAUTION" to read "WARNING".
- 2) Under Precautionary Statements, add the following "Causes substantial but temporary eye injury. Wear goggles, face shield, or safety glasses."
- 3) The Statements of Practical Treatment are acceptable.

Tox Chem No. 652BB

Petmethrin

File Last Updated _____

Current Date 4-17-89

Study/Lab/Study #/Date	Material	EPA Accession No.	Results: LD50, LC50, PIS, NOEL, LEL	TOX. Cat.	CORE Grade/ Doc. No.
Primary eye irritation, rabbit Prudud Safety Labs. #T-7703 4-18-88	Petmethrin (3-phenoxy- phenyl)methyl (4.1) cis/ trans)3 (2,2-dichloroethenyl) 2,2-dimethyl cyclopropane- carboxylate 107.	406877 -01	No effects observed in treatment. Irritation about by day 14	11	Guide - Lines

DATA REVIEW FOR ACUTE EYE IRRITATION TESTING (§81-4)

Product Manager: (15) Reviewer: M. Waller
 MRID No.: 406877-01 Report Date: 4-17-88
 Testing Laboratory: Product Safety Labs. Report No. T-7703
 Author(s): Ralph Shapito
 Species: N 2 white Rabbits
 Sex: 3M & 3F Weight: not given
 Source: Davidson's Mill Farm
 Dosage: 0.1 ml undiluted
 Test Material: Permanone 10% E.C. liquid
 Quality Assurance (40 CFR §160.12): Satisfactory

Summary:

Tox. Category: II Classification: Quiescent

Procedure (~~Deviation From §81-4~~): 0.1 ml undiluted to conjunctival sac
1st eye each of 6 rabbits. Not washed. Irritation scored @ 1, 2, 4, 7,
10 & 14 days, according to Draize.

Results:

	Observations							
	Hour	(number "positive"/number tested)						
		Days						
	1	1	2	3	4	7	10	14
Cornea								
Opacity	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
Iris	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6
Conjunctivae								
Redness	0/6	0/6	2/6	2/6	2/6	0/6	0/6	0/6
Chemosis	4/6	5/6	2/6	3/6	6/6	6/6	1/6	0/6
Discharge	0/6	0/6	0/6	0/6	0/6	0/6	0/6	0/6

Comments: No iris or corneal involvement. Redness/irritation absent by
day 7, Chemosis absent by day 14. No discharge.
Tox. category II "Corneal involvement, or irritation
clearing in 8-21 days".