

Releasable

DATA EVALUATION RECORD

TRICHLORFON

Ocular Irritation in Rabbits

MRID NUMBER: Not available.

CITATION: Arce A, Teeters WR. 1974. [Ocular irritation of a formulation (Lebanon General Spray) containing 17 percent trichlorfon in albino rabbits. Biological Laboratory Report. 1 page. USEPA Beltsville, MD.

REVIEWED BY:

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Date: *August 5, 1983*

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Date: *August 5, 1983*

APPROVED BY:

Irving Mauer, Ph.D.
EPA Scientist

Signature: *Irving Mauer*

Date: *08-09-83*

CORE CLASSIFICATION: Invalid.

The test material used was a formulated product containing 17 percent trichlorfon, 5.6 percent S-[2-(ethylsulfinyl)-ethyl]-0,0-dimethylphosphorothioate, and 77.4 percent inert ingredients manufactured by Lebanon Chemical Corp., PA. Since the technical compound was not tested, the study was not further evaluated.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Chemical & Biological Investigations Branch, TSD
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BIOLOGICAL LABORATORIES REPORT

From Region 03

Other _____

Date 11/11/74

SAMPLE IDENTIFICATION
Sample #117305 Code(s) "721561" EPA Reg. # 961-267 Establishment # None
Product Name: "71801"
Manufacturer: "Lebanon General Spray"; Lebanon Chemical Corp., Lebanon, Pa.
Address:
Physical Form: ☒ Conc. ☐ W.P. ☐ P.S. ☐ Aero. ☐ Dust
☐ Granular ☐ Bait ☐ Other

Ingredients:

O,O-Dimethyl (2,2,2-trichloro-1-hydroxyethyl phosphonate)..... 17.0%
S-[2-(ethylsulfinyl)-ethyl] O,O-Dimethyl phosphorothioate..... 5.6%
Inert ingredients:..... 77.4%

ORIGINAL

TEST
Laboratory: Pharmacology, Beltsville, Md.
Type Test: Ocular Irritation
Test Organism(s): Albino rabbits, N.E. str.

Method # Modified Draize
Duration 7 days
Dilution: None
Diluent: None

SUMMARY
The product induced marked conjunctivitis with partial recovery by the 7th day posttreatment.
Mild corneal and iridal irritation in 1 unwashed eye also observed.

RESULTS	Time	Conjunctivae				Maximum possible scores:
		Cornea	Iris	Redness	Chemosis	
	24 hrs	1	1	3	3	Cornea - 4
	48 hrs	1	1	3	3	Iris - 2
	72 hrs	0	0	1	1	Conjunctiva:
	7 days	0	0	1	0	Redness - 3
						Chemosis - 4

The above scores are averages for 2 washed and 2 unwashed eyes.
More reaction was noted in unwashed than in washed eyes.

Laboratory Supervisor: W.L. Jecters, Ph.D.

Tested By: A. Arce