

US EPA ARCHIVE DOCUMENT

*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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Signature: *Nicolas P. Hajjar*

Date: *August 5, 1983*

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Signature: *John R. Strange*

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]-O,O-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  
 Bldg. 402, ARC-East, Beltsville, Md. 20705

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BIOLOGICAL LABORATORIES REPORT

From Region 03 Other \_\_\_\_\_ Date 11/11/74

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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)..... 17.07  
 S-[2-(ethylsulfanyl)-ethyl] O,O-Dimethyl phosphorothioate..... 5.67  
 Inert ingredients:..... 77.47

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Laboratory: Pharmacology, Beltsville, Md. Method # Modified Draize  
 Type Test: Ocular Irritation Duration: 7 days  
 Test Organism(s): Albino rabbits, N.E. str. Dilution: None  
 Diluent: None

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

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Time	Cornea	Iris	Conjunctivae		Maximum possible scores:
			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. Teters, Ph.D. Tested By: A. Arce