DATA EVALUATION RECORD

TRICHLORFON

Ocular Irritation in Rabbits

MRID NUMBER: Not available.


REVIEWED BY:

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APPROVED BY:

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Signature: [signature]
Date: [August 5, 1983]

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.
Sample #117305  Code(s) "721541" EPA Reg. # 961-267  Establishment # None
Product Name:  & "718-1"
Manufacturer:  "Lebanon General Spray"; Lebanon Chemical Corp.
Address:  Lebanon, Pa.
Physical Form:  Fl Conc.  W.P.  P.S.  Aero.  Dust
Granular  Bait  Other

Ingredients:

*0,0-dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate.............. 17.0%
S-[2-(ctyiisulfinyl)-ethyl] 0,0-dimethyl phosphorothioate............... 5.6%
Inert ingredients............................................... 77.4%

ORIGINAL

Laboratory: Pharmacology, Beltsville, Md.
Type Test: Ocular Irritation
Test Organism(s): Albino rabbits, R.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.

<table>
<thead>
<tr>
<th>Time</th>
<th>Cornea</th>
<th>Iris</th>
<th>Redness</th>
<th>Chemosis</th>
<th>Conjunctivae</th>
<th>Maximum possible scores:</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 hrs</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>Cornea - 4</td>
<td></td>
</tr>
<tr>
<td>48 hrs</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>Iris - 2</td>
<td></td>
</tr>
<tr>
<td>72 hrs</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>Conjunctiva:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Redness - 3</td>
<td></td>
</tr>
<tr>
<td>7 days</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>Chemosis - 4</td>
<td></td>
</tr>
</tbody>
</table>

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. Testers, Ph.D.  Tested By: A. Aron