Tordon 22 K Weed Killer  469-323
Tordon K Weed Killer    469-421

Labelled: 20 Apr, Acute Data
469-323

Active Ingredient
Picloram as Potassium Salt  24.4

 inert ingredients

Summary:

Acute Oral Category III - Caution
Acute Dermal Category III - Caution
Acute Inhalation Category III - Caution
Eye Irritation Category II - Warning
Skin Dermal Category III - Caution
Dermal Irritation Not a Sanitizer

Signal Word "Warning"

and appear acceptable.

BEST AVAILABLE COPY
DATA REVIEW FOR ACUTE ORAL TOXICITY TESTING ($81-1$)

Product Manager: (25)  
Reviewer: (UKW)
MRID No.: 904717401  
Report Date: 11/15/77
Testing Facility: Mammalian Environ. Tox
Report No. M-004713-002A
Author(s): M.M. Lefler, C. Bache, R.L. Lyons
Species: 5 M - 5F Fischer 344 Rat

<table>
<thead>
<tr>
<th>Age: 7 weeks</th>
<th>Observation Days (Post)</th>
<th>Exposure: (14); other (12)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight: 117g - 199g</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Charles River Breeding Laboratories, Kingston, NY

Test Material: 20.16% + 0.01% undiluted

Quality Assurance (40 CFR §160.12): Present

Conclusion:

1. LD50 (mg/kg): Males = > 5,000; Females = > 5,000
   Combined = > 5,000
2. The estimated LD50 is > 5,000
3. Tox. Category: IV.
   Classification: Acceptable

Procedure (Deviations From §81-1):

Results:

<table>
<thead>
<tr>
<th>DOSAGE (mg/kg)</th>
<th>(NUMBER KILLED/NUMBER TESTED)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Males</td>
</tr>
<tr>
<td>$5000$ mg/kg</td>
<td>0%</td>
</tr>
</tbody>
</table>

Symptomology & Gross Necropsy Findings:

- All animals gained weight throughout 15 days.
- All tricas were within normal limits at necropsy.
DATA REVIEW FOR ACUTE DERMAL TOXICITY TESTING (§81-2)

Product Manager: (25)
MRID No.: 40671402
Testing Laboratory: Shrew
Author(s): W.R. Herring & E. Geffen
Species: New Zealand White Rabbits
Sex: M, F
Wt.: 2.5 to 3.0 kg
Test Material: [Description]
Quality Assurance (40 CFR §160.12):

Summary:

1. LD50 (mg/kg): Males = > 2000; Females = > 2000; Combined = > 2000
2. The estimated LD50 is > 2000
3. Tox. Category: III. Classification: acceptable

Procedure (Deviations From §81-2):

Results:

<table>
<thead>
<tr>
<th>DOSAGE (/kg)</th>
<th>(NUMBER KILLED/NUMBER TESTED)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Males</td>
</tr>
<tr>
<td>2000 mg/kg</td>
<td>1</td>
</tr>
</tbody>
</table>

Symptomology & Gross Necropsy Findings:

- All animals gained weight normally.
- Females had kidneys normal limits at necropsy.
- Male kidney - Few Depressed Consistent with Encephalitogranios.
- All other tissues normal.
DATA REVIEW FOR ACUTE INHALATION TOXICITY TESTING (§81-3)

Product Manager: (25)  
MRID No.: 56477403  
Testing Laboratory: Dow  
Reviewer: 
Report Date: 2/26/82

Author(s): P. H. Traylor, D. L. Eichman, and E. Hartgen  
Sex: MALE, FEMALE  
Weight: 140-240 g  
Species: Rattus norvegicus  
Source: Charles River Breeding Lab  
Test Material: Thiophene caproic acid (20.4 ± 0.1 mg/m3, equivalent)  
Quality Assurance (40 CFR §160.12): present

Summary:

1. LC50 (mg/kg): Males = 70.45; Females = 70.45; Combined =
2. The estimated LC50 is 70.45
3. Mean Concentration:
4. Tox. Category: III. Classification: 
   
   Procedure (Deviations From §81-2): attainable concentration

Results:

<table>
<thead>
<tr>
<th>Exposure Concentration (mg/L)</th>
<th>(NUMBER KILLED/NUMBER TESTED)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Males</td>
</tr>
<tr>
<td>0.65 mg/L</td>
<td>0/-</td>
</tr>
</tbody>
</table>

Symptomology & Gross Necropsy Findings:
DATA REVIEW FOR ACUTE EYE IRRITATION TESTING (§81-4)

Product Manager: (35)  
MRID No.: 45227804  
Testing Laboratory:  
Author(s):  
Species: New Zealand White Rabbit  
Sex: 3m 3f  
Weight: 2.1-3.7 kg  
Source: Day Old Dutchland  
Dosage: 0.01 ml each right eye  
Test Material:  
Quality Assurance (40 CFR §160.12): parent

Summary:

Tox. Category: 1  
Classification: guideline

Procedure (Deviation From §81-4):

Results:

<table>
<thead>
<tr>
<th>Observations</th>
<th>Hour</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Cornea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opacity</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Iris</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Conjunctivae Redness</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Chemosis</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Discharge</td>
<td>%</td>
<td>%</td>
</tr>
</tbody>
</table>

Comments: No cornea involvement or hemorrhage noticed and precautionary not necessary.
DATA REVIEW FOR SKIN IRRITATION TESTING (§81-5)

Product Manager: (as)  
MRID No.: 404747405  
Reviewer: ULCW  
Testing Laboratory: CWS  
Report Date: 4/7/87  
Author(s): NM  
Report No. M-044747405  
Species: New Zealand White Rat  

Test Material: acetic acid (array 20.16 ± 0.08 % acid)  
Quality Assurance (40 CFR §160.12): (as)

Summary:

The Primary Irritation Index = 

Toxicity Category: III  

Classification: 

Procedure (Deviations From §81-5):

Results:

with 30 minutes 5% had very slight erythema (barely perceptible)  
at 24 hours 24% hours 1/6 had very slight erythema  
Restaurant at 72 hours  
no edema in any animals  

Special Comments: 


Data Review for Skin Sensitization Testing (§81-6)

Product Manager: (25)  
MRID No.: 40477406  
Testing Laboratory: Duvo  
Author(s): K.S. Rex  
Species: Wistar Allin Brown Male  
Sex: 10M-Indo 12K, 10M-Per 331  
Weight: 255-355g  
Source: Charles River Breeding Laboratory  
Test Material: 0.1 KAc in Coal Oil 9:1  
Positive Control Material: DEP 32 hours followed by depropylene glycol monol  
Quality Assurance (40 CFR §160.12): Present

Method:

Summary:
1. This product is __not__ a dermal sensitizer.
2. Classification: __Acceptable__

Procedure (Deviation From §81-6):

Results:

- With Taden 22K at challenge mode none any animals.
- With DEP 32: 24 hours: 9/10 slight to marked hyperemia (redness)
  - 48 hours: 9/10 slight to moderate