

CODING FORMS FOR SRC INDEXING

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|-------------------------|--------------|---|----------------|
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| | | TSCA Section | 8ECP |
| Submitting Organization | | MONSANTO CO | |
| Contractor | | YOUNGER LABS INC | |
| Document Title | | INITIAL SUBMISSION: TOXICOLOGICAL INVESTIGATION OF: CP 77026 WITH COVER LETTER DATED 081392 | |
| Chemical Category | | CP 77026 | |

8(e)

CAP

(COMPLIANCE AUDIT PROGRAM)

9925

TSCA CONFIDENTIAL BUSINESS INFORMATION

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COPY # 1 - CBIC (Vera)
COPY # 2 - SCOTT SHERLOCK
(Box in CBIC)

COMPANY SANITIZED

ORIGINAL PUBLIC FILE
COPY # 1 PUBLIC FILE
COPY # 2 JIM DARR/Vivian

CONTAINS NO CBI

ORIGINAL - PUBLIC FILE
COPY # 1 - PUBLIC FILE
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NOTE: Peter provides data entry in CBITS for the 8(e) CAP Documents.

8EHQ-0892-9825

"Contains NO CBI"

Monsanto

DOCUMENT RECEIPT OF

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800 N. Lindbergh Boulevard
St. Louis, Missouri 63167
Phone: (314) 694-1000

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August 13, 1992

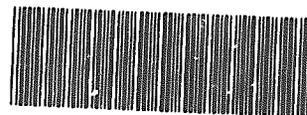


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Environmental Protection Agency
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88920008127

Attention: Section 8(e) Coordinator (CAP Agreement)

This submission is pursuant to the TSCA Section 8(e) Compliance Audit Program and CAP Agreement #8ECAP-0036.

The information included herein is characterized as follows:

Chemical Identity - GLYOXYLIC ACID; [REDACTED], CP 77026

Chemical CAS No. - 000298124

Information/Study Type - II,B,2,b/Acute Toxicity/Irritation Study

Information/Study Identification - Toxicological Investigation Of: CP 77026
YO-75-110

Identification of Reportable Endpoint: EYE CORROSIVE

Previous TSCA 8(e) or PMN submissions, if any, for the reference chemical can be found in Appendix A.

It should be noted that this summary is not all inclusive. Therefore, it may not highlight all adverse effects that EPA may judge to meet TSCA 8(e) reportability. This submission/report does not contain confidential business information.

Sincerely,

J. R. Condray
Director, Regulatory Management
(314) 694-8883

Y-75-253

YOUNGER LABORATORIES

CAS NO: 029921413

INCORPORATED

123 CLIFF CAVE ROAD

SAINT LOUIS, MO., 63129

Toxicologic Investigation of: **MCS 1826**To: **MONSANTO COMPANY**Lot Number **QET 207303****St. Louis, Missouri**Project No. **Y-75-253**Date: **October 22nd, 1975****ACUTE ORAL TOXICITY**Species **Sprague-Dawley Albino Rats**LD50 **3,000** Mg/Kg 95% Confidence Limits **2,700 - 3,330** Mg/KgCONDITIONS **Single Oral Dose - Undiluted**

| | Dosage Mg/Kg | Avg. Initial Weight | | Mortalities/Dosed | | | Time of Mortality |
|---|-----------------|---------------------|--------|-------------------|--------|----------|-------------------|
| | | Male | Female | Male | Female | Combined | |
| 1 | 2,510 | 225 | 215 | 1/3 | 0/2 | 1/5 | One to three days |
| 2 | 3,160 | 255 | 215 | 2/2 | 1/3 | 3/5 | |
| 3 | 3,980 | 235 | 225 | 2/3 | 1/2 | 3/5 | |
| 4 | 5,010 | 210 | 215 | 2/2 | 1/3 | 3/5 | |
| 5 | 6,316 | 240 | 220 | 3/3 | 2/2 | 5/5 | |
| 6 | | | | | | | |

Signs of Intoxication **Reduced appetite and activity (one to two days in survivors), increasing weakness, ocular discharge, collapse, and death.**Gross Autopsy
Decedents**Lung and liver hyperemia, and acute gastrointestinal inflammation.**Survivors (14 Days) **Viscera appeared normal.****ACUTE DERMAL TOXICITY**Species **New Zealand Albino Rabbits**LD50 **> 5,010** Mg/Kg 95% Confidence Limits **----** Mg/Kg Exposure **24 Hours**CONDITIONS **Applied Undiluted**

| | Dosage Mg/Kg | Initial Weight | | Mortalities/Dosed | | | Time of Mortality |
|---|-----------------|----------------|--------|-------------------|--------|----------|-------------------|
| | | Male | Female | Male | Female | Combined | |
| 1 | 2,000 | 1.8 | --- | 0/1 | --- | 0/1 | Three days |
| 2 | 3,160 | --- | 1.8 | --- | 0/1 | 0/1 | |
| 3 | 5,010 | 1.9 | --- | 0/1 | --- | 0/1 | |
| 4 | 7,940 | --- | 1.8 | --- | 1/1 | 1/1 | |
| 5 | | | | | | | |
| 6 | | | | | | | |

Signs of Intoxication **Reduced appetite and activity (two to three days in survivors), increasing weakness, collapse, and death.**Gross Autopsy
Decedents**Lung and liver hyperemia, slightly enlarged gall bladder, and gastrointestinal inflammation.**Survivors (14 Days) **Viscera appeared normal.****MCO 8059773**

The material in this report is to be used in development of the product and may be given to responsible sales contacts, but it is not to be used by them in advertising copy. The source of this material is not to be divulged until it appears in formal publications. No exceptions to the established rule may be made without the approval of the Medical Department in St. Louis. Customers' inquiries regarding matters of toxicity are to be referred as before to the Monsanto Company Medical Department in St. Louis for reply.

| ACUTE EYE IRRITATION | | Species New Zealand Albino Rabbits | | | | | | | | | | | | | |
|--|--------|--|--------------|--------|------|--------------|--------|------|--------------|--------|------|-------------------|--------|------|---|
| Irritation Score (24, 48, 72 Hour Avg.) 4.3 | | Classification Slight * | | | | | | | | | | Exposure 24 Hours | | | |
| Dose and Conditions 0.1 Ml. Applied Undiluted / F.H.S.A. | | * F.H.S.A.: NOT CLASSED as an Eye Irritant | | | | | | | | | | | | | |
| Hours | 1 | 24 | | 48 | | 72 | | 120 | | 168 | | | | | |
| STRUCTURE | CORNEA | IRIS | CONJUNCTIVAE | CORNEA | IRIS | CONJUNCTIVAE | CORNEA | IRIS | CONJUNCTIVAE | CORNEA | IRIS | CONJUNCTIVAE | CORNEA | IRIS | |
| Animal Number | | | | | | | | | | | | | | | |
| 1 | 0 | 0 | 14 | 0 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 12 | 0 | 0 | 10 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 12 | 0 | 0 | 12 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mean Score (X/110.0) | 12.3 | | 10.6 | | 2.3 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | |

Comments **Immediate:** Discomfort was moderate with pawing and eyes tightly closed
10 Minutes: Slight to moderate erythema, very slight edema in four instances, copious discharge
1 Hour: Moderate erythema, very slight to slight edema, copious discharge
24 Hours: Slight to moderate erythema, slight edema, moderate to copious discharge containing slight whitish exudate
48 Hours: Gradual improvement
72 Hours: All scored zero

| PRIMARY SKIN IRRITATION | | Species New Zealand Albino Rabbits | | | | | | | | | | | | | | | | | | | |
|--|-----------|--|---|----|---|----|---|----|---|-----|---|--------------------|---|----|---|----|---|----|---|-----|---|
| Irritation Score (24, 72 Hour Avg.) 5.5 | | Classification Severe * | | | | | | | | | | Exposure: 24 Hours | | | | | | | | | |
| Dose and Conditions C.5 Ml. Applied Undiluted / F.H.S.A. | | * F.H.S.A.: CLASSED as a Primary Skin Irritant | | | | | | | | | | | | | | | | | | | |
| Animal Number | HOUR SKIN | ERYTHEMA | | | | | | | | | | EDEMA | | | | | | | | | |
| | | 4 | | 24 | | 48 | | 72 | | 168 | | 4 | | 24 | | 48 | | 72 | | 168 | |
| | | I | A | I | A | I | A | I | A | I | A | I | A | I | A | I | A | I | A | I | A |
| 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 |
| 2 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 |
| 3 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 |
| 4 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 |
| 5 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 |
| 6 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 |

Comments **Defatting effect - skin sloughed off in ten to fourteen days.**
There was no injury in depth.

| INHALATION TOXICITY | | Species Sprague-Dawley Albino Male Rats | | | |
|------------------------|--------------------------|---|---------|-------------------------|-------------|
| Mortality | 0/6 | Initial sample | 115.0 g | Chamber temperature ... | 27 °C |
| Concentration | 0.0 Mg/L | Recovered sample.... | 115.0 g | Chamber humidity..... | 80 % |
| Exposure | 6.0 Hrs | Condensed sample ... | 0.0 g | Chamber volume..... | 35 L |
| Sample temperature ... | AMB. °C | Vaporized sample.... | 0.0 g | Air flow rate..... | 4.0 L/Min |
| Signs of Intoxication | NO TOXIC SIGNS | | | | |
| Gross Autopsy | | | | | |
| Decedents | | | | | |
| Survivors (14 Days) | Viscera appeared normal. | | | | |
| | | | | | MCO 8059774 |

CERTIFICATE OF AUTHENTICITY

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