



Contains No CBI

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TOXICOLOGY DEPARTMENT  
P.O. BOX 12014, 2 T.W. ALEXANDER DRIVE  
RESEARCH TRIANGLE PARK, NC 27709  
(919) 549-2000 TELEFAX (919) 549-8525  
INTERNATIONAL TELEX NUMBER 4999378-ANSWERBACK APC RTP

8E HQ-92-12029  
INIT 10-21-92  
88920010271

October 12, 1992

A

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Document Processing Center (TS-790)  
Office of Toxic Substances  
US Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

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

RE: Report Submitted Pursuant to the TSCA Section 8(e) Compliance Audit Program

CAP ID No.: 8ECAP - 0004

Dear Sir/Madam:

On behalf of Rhône-Poulenc Inc. (RPI, CN 5266, Princeton, NJ 08543-5266) and its subsidiary Rhône-Poulenc Ag Company (RPAC), the attached study report is being submitted to the Environmental Protection Agency (EPA) pursuant to the Toxic Substances Control Act (TSCA) Section 8(e) Compliance Audit Program and the Agreement for a TSCA Section 8(e) Compliance Audit Program (CAP Agreement) executed by RPI and EPA.

The enclosed study report provides information on MCTR-186-77. We have diligently searched our files and have not been able to determine the chemical identity of this compound. This chemical has been synthesized 10 to 20 years ago for pesticide research and development purposes.

No claims of confidentiality are made for this submission. The title of the enclosed report is "Report on Oral LD50 in Rats". The following is a summary of the adverse effects observed in this study.

This study is being submitted under Section 8(e) because of the observed clinical signs. Decreased locomotor activity and loss of righting reflex were reported at doses with animals surviving to study termination as well as at doses with 100% mortality. The oral LD50 was determined to be 1000 mg/kg.

No previous TSCA Section 8(e) notices have been submitted on this chemical.

Three copies of the report and this cover letter are provided, i.e. one original and two copies.

mm  
2/17/95

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Further questions regarding this submission may be directed to the undersigned at 919-549-2222.

Sincerely,



Glenn S. Simon, PhD, DABT  
Director of Toxicology



# Cannon Laboratories, Inc.

P. O. Box 3627, Reading, Pa. 19605 (215) 375-4536  
REPORT ON ORAL LD50 IN RATS

SUBMITTED TO: MOBIL CHEMICAL COMPANY  
P.O. BOX 240  
EDISON, NEW JERSEY 08817

REFERENCE: Notebook 038A Pages 6-8  
LABORATORY NUMBER: 7E-6853  
DATE COMPLETED: 7/28/77

MOBIL SAMPLE: MCTR-186-77  
DATE RECEIVED: 6/8/77

PROCEDURE: Male and female Sprague-Dawley rats, weighing between 200 and 300 grams, were fasted for approximately 24 hours prior to the administration of the test material. The test material (an orange transparent liquid) was administered orally, by intubation, on a mg/kg basis. Following the treatment, the animals were returned to their cages where they received feed and water in accordance with standard laboratory procedures.

The animals were observed for mortality and signs of toxicity at 1, 3, 6, 24, 48, 72 hours and daily thereafter for a total of 14 days. The oral LD50 was determined in accordance with the method of Miller and Tainter, Proc. Soc. Exper. Bio. Med., 57, pp 261-264, 1944 (see Figure 1). After 14 days, all surviving animals were killed, autopsied and observed for gross pathological organ changes.

DISTRIBUTION OF MORTALITY:

DOSE (mg/kg)	DEATHS	OBSERVATION DAY													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
250	1/10	0	0	0	0	0	1	0	0	0	0	0	0	0	0
500	0/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
750	0/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,000	5/10	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2,500	10/10	9	1	-	-	-	-	-	-	-	-	-	-	-	-

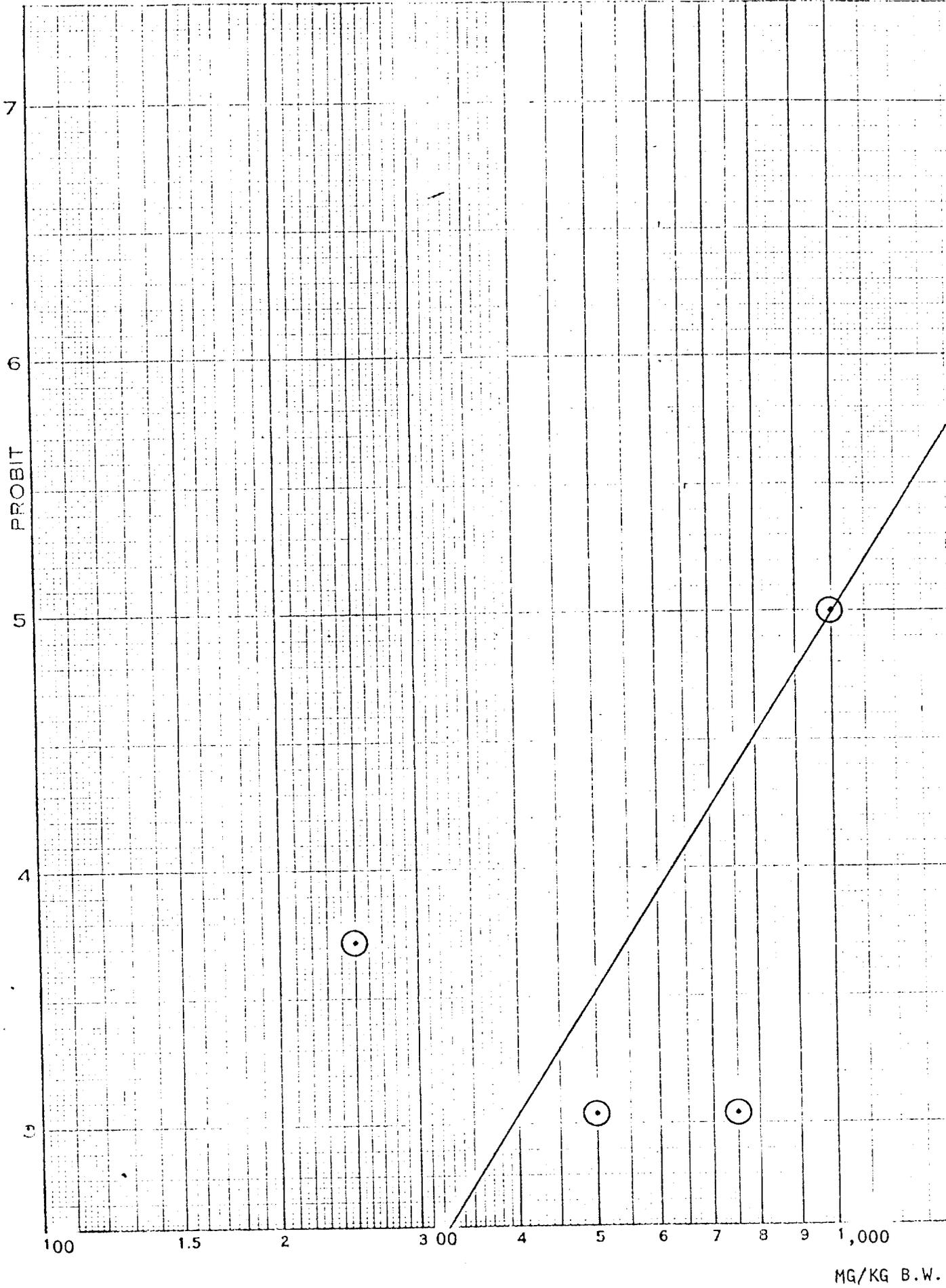
SIGNS OF TOXICITY: Mobil sample "MCTR-186-77", when administered oral dose levels between 250 and 2,500 mg/kg, produced decreased locomotor activity, loss of righting reflex and death depending upon the dose. Normal body activity returned within 7 days in all surviving animals. Autopsies revealed slight to moderate rugation of the pyloric mucosa at 250, 500, 750 and 1,000 mg/kg.

RESULTS: LD50 = 1,000 ± 154 mg/kg B.W.

York Terrell  
Chief Biologist

Geoffrey St. E. Parke  
Director of Biological  
Services

Samuel J. Charles III  
Compliance Officer



MG/KG B.W.

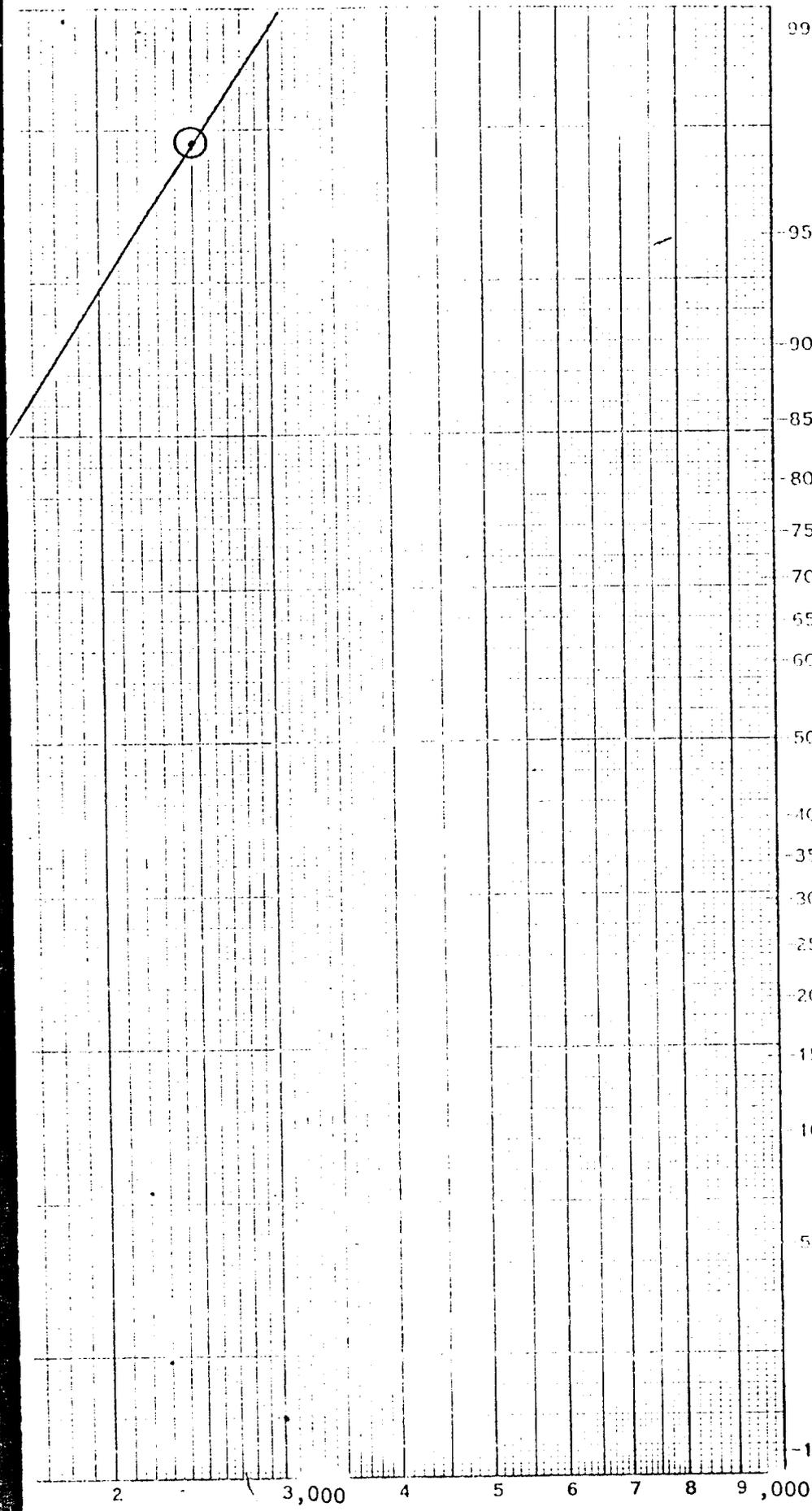


Figure 1

The Acute Oral LD50 of  
"MCTR-186-77" in Rats

Calculation for Standard Error

14-Day

<u>DOSE</u> <u>(mg/kg B.W.)</u>	<u>MORTALITY</u> <u>(%)</u>	<u>PROBIT</u>
250	10	3.72
500	0	3.04
750	0	3.04
1,000	50	5.00
2,500	100	6.96

Probit 6(84%) = 1,600

Probit 4(16%) = 627

2S = 973

2N = 40

S.E. =  $\frac{2S}{\sqrt{2N}} = \frac{973}{\sqrt{40}} = \frac{973}{6.32} = 154$

LD50 = 1,000 ± 154 mg/kg B.W.

N = number of animals between  
probit 3.5 and 6.5



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

Glenn S. Simon, Ph.D., DABT  
Director of Toxicology  
Rhône-Poulenc  
P.O. Box 12014  
2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

APR 18 1995

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned 8(e) number when submitting follow-up or supplemental information and refer to the reverse side of this page for "EPA Information Requests".

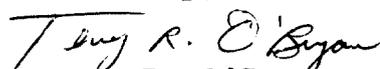
All TSCA 8(e) submissions are placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA §8(e) policy statement (43 FR 11110, March 16, 1978). Confidential submissions received pursuant to the TSCA §8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims. This information is required and should be submitted if not done so previously. To substantiate claims, submit responses to the questions in the enclosure "Support Information for Confidentiality Claims". This same enclosure is used to support confidentiality claims for non-CAP submissions.

Please address any further correspondence with the Agency related to this TSCA 8(e) submission to:

Document Processing Center (7407)  
Attn: TSCA Section 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency  
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

  
Terry R. O'Bryan  
Risk Analysis Branch

Enclosure

12029A



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contains at least 50% recycled fiber

**Triage of 8(e) Submissions**

Date sent to triage: AUG 24 1985

NON-CAP

CAP

Submission number: 12029A

TSCA Inventory:

Y N D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO                  AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX                  SBTOX                  SEN                  w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX                  CTOX                  EPI                  RTOX                  GTOX  
STOX/ONCO          CTOX/ONCO          IMMUNO                  CYTO                  NEUR

Other (FATE, EXPO, MET, etc.): \_\_\_\_\_

Notes:

**THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY**

<b>For Contractor Use Only</b>			
entire document	<u>0</u>	1 2	pages <u>1,2</u> pages <u>1,2,3</u>
Notes:			
Contractor reviewer:	<u>JDR</u>	Date:	<u>3/21/95</u>

CECATS/TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA: Submission # 8EHQ 1092-12029 seq. A  
 TYPE: INT SUPP FLWP  
 SUBMITTER NAME: Rhone-Poulenc Inc.

INFORMATION REQUESTED: FLWP DATE  
 0501 NO INFO REQUESTED  
 0502 INFO REQUESTED (TECI)  
 0503 INFO REQUESTED (VOL ACTIONS)  
 0504 INFO REQUESTED (REPORTING RATIONAL/F)  
 DISPOSITION:  
 0632 REFER TO CHEMICAL SCREENING  
 0678 CAP NOTICE

VOLUNTARY ACTIONS:  
 0401 NO ACTION REPORTED  
 0402 STUDIES PLANNED/IN PROGRESS  
 0403 NOTIFICATION OF WORKING CONDITIONS  
 0404 LABEL/MSDS CHANGES  
 0405 PROCESS/HANDLING CHANGES  
 0406 APP/USE DISCONTINUED  
 0407 PRODUCTION DISCONTINUED  
 0408 CONFIDENTIAL

SUB. DATE: 10/12/92 OTS DATE: 10/21/92 CSRAD DATE: 02/17/95

CHEMICAL NAME: MCTR-186-77 CAS# Unknown

INFORMATION TYPE:	P F C	INFORMATION TYPE:	P F C	INFORMATION TYPE:	P F C
0201 ONCO (HUMAN)	01 02 04	0216 EPICLIN	01 02 04	0241 IMMUNO (ANIMAL)	01 02 04
0202 ONCO (ANIMAL)	01 02 04	0217 HUMAN EXPOS (PROD CONTAM)	01 02 04	0242 IMMUNO (HUMAN)	01 02 04
0203 CELL. TRANS (IN VITRO)	01 02 04	0218 HUMAN EXPOS (ACCIDENTAL)	01 02 04	0243 CHEMPHYS PROP	01 02 04
0204 MUTA (IN VITRO)	01 02 04	0219 HUMAN EXPOS (MONITORING)	01 02 04	0244 CLASTO (IN VITRO)	01 02 04
0205 MUTA (IN VIVO)	01 02 04	0220 ECOAQUA TOX	01 02 04	0245 CLASTO (ANIMAL)	01 02 04
0206 REPRO/TERATO (HUMAN)	01 02 04	0221 ENV. OCCUREL/FATE	01 02 04	0246 CLASTO (HUMAN)	01 02 04
0207 REPRO/TERATO (ANIMAL)	01 02 04	0222 EMER INCI OF ENV CONTAM	01 02 04	0247 DNA DAM/REPAIR	01 02 04
0208 NEURO (HUMAN)	01 02 04	0223 RESPONSE REQEST DELAY	01 02 04	0248 PROD/USE/PROC	01 02 04
0209 NEURO (ANIMAL)	01 02 04	0224 PROD/COMP/CHEM ID	01 02 04	0251 MSDS	01 02 04
0210 ACUTE TOX. (HUMAN)	01 02 04	0225 REPORTING RATIONALE	01 02 04	0299 OTHER	01 02 04
0211 CHR. TOX. (HUMAN)	01 02 04	0226 CONFIDENTIAL	01 02 04		
0212 ACUTE TOX. (ANIMAL)	01 02 04	0227 ALLERG (HUMAN)	01 02 04		
0213 SUB ACUTE TOX (ANIMAL)	01 02 04	0228 ALLERG (ANIMAL)	01 02 04		
0214 SUB CHRONIC TOX (ANIMAL)	01 02 04	0229 METAB/PHARMACO (ANIMAL)	01 02 04		
0215 CHRONIC TOX (ANIMAL)	01 02 04	0240 METAB/PHARMACO (HUMAN)	01 02 04		

TRIAGE DATA: NON-CBI INVENTORY YES NO  
ONGOING REVIEW YES (DROP/REFER) NO (CONTINUE)  
SPECIES RAT TOXICOLOGICAL CONCERN: LOW MED HIGH  
USE: R: D pesticide PRODUCTION:  
CAS SR IN HUMAN  
UNSPICED

-CPSS-

> <ID NUMBER>  
8(E)-12029A

> <TOX CONCERN>  
L

> <COMMENT>

ACUTE ORAL TOXICITY IN MALE AND FEMALE SPRAGUE-DAWLEY RATS IS OF LOW CONCERN. SINGLE ORAL DOSES OF 250 TO 2,500 MG/KG GAVAGED TO GROUPS OF 10 FASTED ANIMALS EACH WERE ASSOCIATED WITH SIGNS OF NEUROTOXICITY AND MORTALITY AS FOLLOWS: 250 MG/KG (1/10), 500 MG/KG (0/10), 750 MG/KG (0/10), 1000 MG/KG (5/10), 2500 MG/KG (10/10). AN ORAL LD50 WAS 1000 +/- 154 MG/KG B.W.. ALL MORTALITIES SAVE ONE ANIMAL OF THE 2500 MG/KG DOSAGE, DEAD ON DAY 2, OCCURRED ON THE DAY OF DOSING. ALL DOSAGE LEVELS PRODUCED CLINICAL SIGNS OF NEUROTOXICITY INCLUDING LOSS OF LOCOMOTOR ACTIVITY AND RIGHTING REFLEX. AMONG ANIMALS SURVIVING 14-DAY OBSERVATION, NORMAL MOTOR ACTIVITY RETURNED WITHIN 7 DAYS. SLIGHT TO MODERATE RUGATION OF THE PYLORIC MUCOSA WAS NOTED UPON AUTOPSY OF ANIMALS OF 250, 500, 750 AND 1000 MG/KG DOSAGE LEVELS.

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