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cc: [REDACTED]

E. I. du Pont de Nemours and Company
Haskell Laboratory for Toxicology and Industrial Medicine
Elkton Road, Newark, Delaware 19711

HASKELL LABORATORY REPORT NO. 571-81 [REDACTED]

Material Tested

Haskell No.

Other Codes

[REDACTED]
14,068 [REDACTED]

Study Initiated/Completed
6/26/81-8/31/81

Material Submitted by
[REDACTED]
CR&D Dept.
Haskell Lab.

ORAL LD50 TEST IN RATS

Procedure: The oral LD50 of [REDACTED] using distilled water as the vehicle was found to be 2,196 mg/kg [REDACTED]. To evaluate the effect, if any, of the vehicle used, the test material, as a suspension in corn oil, was administered by intragastric intubation in single doses to 6 groups of 10 young adult CrI:CD[®] male rats. The surviving rats were weighed and observed during a 14-day recovery period and then sacrificed. The LD50 value was calculated from the mortality data using the method of D. J. Finney.**

Results:

<u>Dose (mg/kg)</u>	<u>Average Body Weight (g)</u>	<u>Suspension (%)</u>	<u>Average Dose (mL)</u>	<u>Mortality Ratio</u>	<u>LD50***</u>
3,700	257	25	3.81	10/10	916 mg/kg
2,000	247	25	1.98	10/10	
1,500	262	25	1.57	8/10	
1,000	245	23	1.07	8/10	
850	259	19	1.16	4/10	
500	245	11	1.11	0/10	

Clinical Signs:

Stained and/or wet perineal area and weight loss at all levels tested.
Diarrhea at all levels except 500 mg/kg.

Stained face at all levels except 500 and 850 mg/kg.
Weakness at all levels except 500 and 3,700 mg/kg.
Tremors at 1,500 and 2,000 mg/kg.
Chromodacryorrhea at 1,000 and 2,000 mg/kg.
All deaths occurred within 5 days after dosing.

Summary:

[REDACTED] is slightly toxic when administered orally to young adult male Crl:CD¹ rats in single doses; its LD50 is 916 mg/kg of body weight. Clinical signs observed at most dose levels included: stained and/or wet perineal area, weight loss, diarrhea, stained face and weakness. All deaths occurred within 5 days after dosing. The LD50 in corn oil was approximately 1/2 that determined when the chemical was administered in distilled water.

* Purity:
Contaminants:
Synonym:

[REDACTED]

** Finney, D. J., Probit Analysis, 3rd Ed., 1971, Cambridge University Press.

*** 95% Confidence Limits:

Lower: 746 mg/kg
Upper: 1,086 mg/kg
Slope: 6.5

Report by:

Lon Hinckle

Lon Hinckle
Technician

Reviewed by:

O. Louis Dashiell

O. Louis Dashiell
Study Director

Approved by:

Gerald L. Kennedy, Jr.

Gerald L. Kennedy, Jr.
Chief, Acute Investigations Section

LEH/jtd/WP:1.8

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