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E. I. du Pont de Nemours and Company
Haskell Laboratory for Toxicology and Industrial Medicine

HASKELL LABORATORY REPORT NO. 984-77 [REDACTED]

Material Tested	Haskell No.	Sample Ready for Testing	Other Codes	Material Submitted by
[REDACTED]	11,336	9/20/77	[REDACTED]	[REDACTED] Organic Chemicals Department, Jackson Laboratory

ORAL LD50 TEST

Procedure: The test material, as received, was administered by intragastric intubation to six groups of ten young adult Chr-CD male rats in single doses. Survivors were sacrificed 14 days later. The LD50 value was calculated from the mortality data using the method of D. J. Finney.†

Results:

Dose (mg/kg)	Average Body Weight (g)	Solution (%)	Average Dose (ml)	Mortality Ratio	Clinical Signs	LD50***
32,530**	247	As Received	7.43	10/10	Prostration, weakness, belly-to-cage posture, labored breathing, and lacrimation at 32,530 mg/kg.	13,792 mg/kg
20,000	241	As Received	4.46	10/10	Prostration, weakness, belly-to-cage posture, labored breathing, lacrimation, chromodacryorrhea, eyes half-closed, wet and stained perineal area and weight loss at 20,000 mg/kg.	
18,350	244	As Received	4.14	8/10	Belly-to-cage posture, prostration, labored breathing, salivation, weakness, chromodacryorrhea, diarrhea, lacrimation, alopecia on neck, opaque spot and exophthalmic left eye in one rat, wet and stained perineal area, stained nose, mouth, and body, and weight loss at 18,350 mg/kg.	
15,000	249	As Received	3.45	6/10	Prostration, weakness, belly-to-cage posture, chromodacryorrhea, wet and stained perineal area, stained mouth and nose, and weight loss at 15,000 mg/kg.	

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Results: (continued)

<u>Dose</u> <u>(mg/kg)</u>	<u>Average Body</u> <u>Weight (g)</u>	<u>Solution</u> <u>(%)</u>	<u>Average</u> <u>Dose (ml)</u>	<u>Mortality</u> <u>Ratio</u>	<u>Clinical Signs</u>	<u>LD50***</u>
12,500	244	As Received	2.82	4/10	Prostration, belly-to-cage posture, labored breathing, weakness, chromodacryorrhea, lacrimation, convulsions, piloerection, exophthalmos, and weight loss at 12,500 mg/kg.	13,792 mg/kg
11,357	238	As Received	2.50	2/10	Belly-to-cage posture, prostration, weakness, chromodacryorrhea, piloerection, wet and stained perineal area, stained mouth, nose, body, and around eyes, and weight loss at 11,357 mg/kg.	

Summary: [REDACTED] has very low toxicity when administered orally to young adult Chr-CD male rats; its LD50 is 13,792 mg/kg of body weight.

* Composition: [REDACTED]

† Finney, D. J., Probit Analysis, 2nd Ed., 1952, Cambridge University Press.

** Administered as a divided dose.

*** 95% Confidence Limits:

<u>Lower</u>	<u>Upper</u>	<u>Slope</u>
12,091 mg/kg	15,289 mg/kg	9.38

Report by:

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