

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

HASKELL LABORATORY REPORT NO. 325-79 [REDACTED]

<u>Material Tested</u>	<u>Haskell No.</u>	<u>Other Codes</u>	<u>Sample Ready For Testing</u>	<u>Material Submitted by</u>
[REDACTED]	12,943	[REDACTED]	3/13/79	[REDACTED] Chemicals, Dyes and Pigments Department, Jackson Laboratory

ORAL LD50 TEST

Procedure: The test material, as an aqueous solution, was administered by intragastric intubation to 3 groups of 10 young adult Chr-CD male rats in single doses. The surviving animals 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>Solution (%)</u>	<u>Average Dose (ml)</u>	<u>Mortality Ratio</u>	<u>Clinical Signs</u>	<u>LD50** (mg/kg)</u>
6,000	257	50	3.1	9/10	Stained face, congestion, hematuria, stained and wet perineal area, salivation, chromodacryorrhea, lethargy, stained body, gasping, diarrhea and moderate weight loss after dosing at 6,000 mg/kg.	5,043
5,000	252	45	2.8	4/10	Stained face, wet and stained perineal area, lethargy, ataxia, chromodacryorrhea, diarrhea, alopecia and moderate weight loss after dosing at 5,000 mg/kg.	
4,000	254	40	2.6	1/10	Congestion, lethargy, stained face, wet and stained perineal area, chromodacryorrhea, salivation, stained nose and mild weight loss after dosing at 4,000 mg/kg.	

Summary: [REDACTED] has very low toxicity when administered orally to young adult Chr-CD male rats in single doses; its LD50 is 5,043 mg/kg of body weight. Most frequently observed clinical signs at most levels included stained face, stained and wet perineal area, lethargy, chromodacryorrhea, salivation, congestion, diarrhea, and hematuria. Stained body and gasping was observed at the 6,000 mg/kg level only. All levels had mild to moderate initial weight loss followed by sporadic losses through the 8th day and then followed by normal weight gain.

* Composition: [REDACTED]

** 95% Confidence Limits: Lower: 4,535 mg/kg
Upper: 5,610 mg/kg
Slope: 14.5

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

Report by:

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RLT:scg

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