

Copies to:

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

HASKELL LABORATORY REPORT NO. 58-80

Material Tested

Haskell No.
13197

Other Codes

Study Initiated/
Completed
9/12/79-12/10/79

Material Submitted by

Chemicals, Dyes, and Pigments
Jackson Laboratory

ORAL LD50 TEST IN RATS

Procedure: The test material, as an aqueous solution, was administered by intragastric intubation in single doses to 5 groups of 10 young adult Chr-CD male rats in single doses. A range-finding study was conducted to determine the initial dose level for the LD50 study+. 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:

Dose (mg/kg)	Average Body Weight (g)	Solution (%)	Average Dose (ml)	Mortality Ratio
14,500	254	80	4.60	6/10
14,000	265	80	4.63	10/10

Clinical Signs	LD50***
Stained and wet perineal area, stained face, lacrimation, salivation, diarrhea, humped posture, weakness, lethargy, and severe weight loss. All deaths occurred within 4 days after dosing	10,698

Stained and wet perineal area, lacrimation, salivation, diarrhea, eyes half-closed, lethargy, and severe weight loss. All deaths occurred within 3 days after dosing.

Company Sanitized. Does not contain TSCA CBI

Results: (Con't)

<u>Dose</u> (mg/kg)	<u>Average Body</u> <u>Weight (g)</u>	<u>Solution</u> (%)	<u>Average</u> <u>Dose (ml)</u>	<u>Mortality</u> <u>Ratio</u>
13,000	261	80	4.24	10/10
12,000	252	80	3.68	9/10
10,000	258	80	3.22	2/10

Clinical Signs

Stained and wet perineal area, stained face, diarrhea, congestion, chromodacryorrhea, weakness and severe weight loss. All deaths occurred within 7 days after dosing.

LD50***
10,698

Stained and wet perineal area, stained face, lacrimation, chromodacryorrhea, salivation, diarrhea, weakness, lethargy, and severe weight loss. All deaths occurred within 4 days after dosing.

Stained and wet perineal area, stained face, weakness, lethargy, and severe weight loss. Both deaths occurred within 4 days after dosing.

Summary:

[REDACTED] has very low toxicity when administered orally to young adult ChR-CD male rats in single doses; its LD50 is 10,698 mg/kg of body weight. Clinical signs seen at most dose levels included: Stained and wet perineal area, stained face, lacrimation, salivation, diarrhea, weakness, lethargy and severe weight loss. All deaths occurred within 7 days after dosing.

*Composition:

Synonym:

+ Animals were given individual doses ranging from 670-25,000 mg/kg. Death occurred at 14,000 mg/kg and above.

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

*** 95% Confidence Limits are not defined.
Slope: 10.1

Report by:

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