

Copies to: [REDACTED]

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

HASKELL LABORATORY REPORT NO. 133-68 [REDACTED]

Material Tested: [REDACTED]

Haskell No.: 5494

Material Submitted by: [REDACTED]

Plastics Department
Fluorocarbons Division

Other Code: [REDACTED]

ACUTE ORAL TEST

Procedure: The test material, as an aqueous solution (pH ~ 6), was administered by intragastric intubation to young adult Chr-CD male rats in single doses. Survivors were sacrificed 14-21 days later.

Results:

Solution %	Dose mg/kg	Mortality*	Toxic Signs	Weight When Killed (g)		L.W./B.W. X 100	ALD
				Body	Liver		
15	2250	D - 1 d.	<u>Lethal Doses:</u> at 670 mg/kg and above, chewing-motions, polyuria, and increased respiration rate; at 450 and 2250 mg/kg, slight salivation, all on the day of dosing; discomfort up to 12 days after dosing	-	-	-	450 mg/kg
15	670	D - 2 d.		221	-	-	
10	450	D - 13 d.		111	-	-	
3	300	S - 20 d.		124	11.16	9.00	
3	200	S - 21 d.		125	9.50	7.60	
1.5	130	S - 14 d.		232	17.35	7.48	
1.5	90	S - 14 d.		290	20.10	6.93	
1.0	60	S - 14 d.	297	21.17	7.13		
1.0	40	S - 14 d.	<u>Nonlethal Doses:</u> at 90 mg/kg and above, discomfort for 3 to 21 days after dosing; at 60 mg/kg and above, small and irregularly-shaped feces for 1 to 21 days after dosing	318	24.10	7.58	
0.5	26	S - 14 d.		329	22.16	6.74	
0.1	17	S - 14 d.		313	17.50	5.59	
0.1	12	S - 14 d.		356	19.70	5.53	
0.1	7.7	S - 14 d.		308	13.30	4.32	
0.1	5.1	S - 14 d.		354	15.10	4.26	
0.05	3.4	S - 14 d.		360	18.71	5.19	
0.05	2.3	S - 14 d.		342	18.30	5.35	
0.01	1.5	S - 14 d.		336	19.04	5.67	
0.01	1.0	S - 14 d.		357	16.45	4.61	
Controls				352-377	15.09-18.89	4.29-5.11	

* D - () d. = Found dead () days after dosing; S - () d. = Sacrificed () days after dosing.

Company Sanitized. Does not contain TSCA CBI

Summary: [REDACTED] is moderately toxic for the male rat when administered orally, its Approximate Lethal Dose (ALD) being 450 mg/kg of body weight. This compound appears to cause liver enlargement in rats with single doses as low as 12-26 mg/kg. Based on clinical signs, it also acts as a gastrointestinal irritant.

Report by:

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Date: June 14, 1968

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