



AR 226-0326

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Submitted to: 3M Company
3M Center
St. Paul, Minnesota
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Material: 3M Company - T-1388

Sample Received: November 28, 1975

Date of Report: March 4, 1976

Test: Acute Oral Toxicity - Rats

Object of Test: To study the acute oral toxicity in rats of the subject material.

Procedure: Four groups of 5 male & 5 female albino rats of the Sherman-Wistar Strain weighing between 200 and 300 gm were employed in this study. The rats were deprived of food but not water for 24 hours prior to dosing. Each animal was weighed and dosed by direct administration of the experimental material into the stomach by means of a syringe and dosing needle.

The sample was dosed as a 25% w/v suspension in corn oil.

The following dosage levels were administered:

0.63 gm/kg
1.25 gm/kg
2.5 gm/kg
5.0 gm/kg

Following administration the animals were allowed food and water ad libitum for the 14 day observation period during which time the rats were observed for signs of toxicity and mortalities.

Results: See Table 1.

Conclusion: The subject material when studied in male & female albino rats has an acute oral LD₅₀ of less than 0.63 gm/kg.

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TABLE 1
Acute Oral Toxicity

Material: 3M Company - T-1388, as a 25% w/v suspension in corn oil.

Dosage Level gm/kg	Number of Animals Dosed	Mortalities Days														Total Dead 14 Days	Total Survived 14 Days
		1	2	3	4	5	6	7	8	9	10	11	12	13	14		
0.63	5 males	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	2
0.63	5 females	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	2
1.25	5 males	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5	0
1.25	5 females	2	0	0	3	0	0	0	0	0	0	0	0	0	0	5	0
2.5	5 males	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0
2.5	5 females	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5	0
5.0	5 males	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
5.0	5 females	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0

The LD₅₀ is less than 0.63 gm/kg.

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